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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

MORON AB, SPAIN

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

APRIL 1990

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD-OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, MORON AB SPAIN, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: NOV 74 - OCT 89 (METAR/15-YR POR. USED).

SUMMARY OF DAY DATA: MAR 58 - MAR 70 (FULL TIME).

SUMMARY OF DAY DATA: APR 70 - APR 72 (PART TIME - NO SOD DATA AVAILABLE AFTER 7204).

HOURS SUMMARIZED: 00-23 LST (5803-7003), 07-19 LST (7004-7204, 7411-8910).

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EO	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
083970	MORON AB SPAIN	N 37 11	W 005 37	28	LEMO	08397

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nmb of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Moron AB Spain	AB	Jan 58	Feb 58	N 37 10	W 005 34	296	341	8
2	Same	AB	Mar 58	Jun 62	N 37 11	W 005 36	306	Same	24
3	Same	AB	Jul 62	Feb 67	Same	Same	Same	272	24
4	Same	AB	Mar 67	Mar 70	Same	Same	307	Same	24
5	Same	AB	Apr 70	Apr 72	Same	Same	Same	Same	10
6*	Moron AB(Spanish AF) Spain	AB	May 72	Mar 90	Same	W 005 37	287	Same	13
*AWS de-act 30 Apr 72									

Nmb of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 58	Hand-held on catwalk of twr	ML-433PM	None	66 ft	
2	Mar 58	Atop control tower	AN/GMQ-1	None	75 ft	
3	Mar 60	On catwalk of control twr	Same	None	91 ft	
4	Mar 61	Atop control tower	Same	ML-204B	370 ft	
5	Jan 62	Near TD point of rwy 21	AN/GMQ-11	None	9 ft	
6	Jul 62	1000'down & 500'L of TD point	Same	RO-2	12 ft	
7	Mar 90	Unknown	Unkn	Unkn	Unkn	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	AAAAAAAA
PP	AAAAAAAA	RR RR	TT	AAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1979, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB. SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		6.4				6.4	26.1	5.8		.4	38.8	498
09-11		7.4				7.4	33.0	13.0		.4	53.9	1166
12-14	.1	7.2				7.2	12.5	24.5		2.1	46.3	1139
15-17	.2	6.4				6.4	3.2	10.1		.4	20.0	1084
18-20		5.5				5.5	3.6	8.3			17.4	615
21-23												0
ALL HOURS	.1	6.7				6.7	15.9	13.8		.8	37.1	4502

MONTH: FEB

00-02												0
03-05												0
06-08		7.5				7.5	33.5	6.9			47.8	481
09-11	.1	8.1				8.1	38.0	14.8		.9	61.8	1049
12-14		7.7				7.7	13.4	20.9		1.1	43.2	1065
15-17	.5	10.1				10.1	2.9	8.7			21.8	1020
18-20		7.9				7.9	3.9	7.9		.3	20.1	668
21-23												0
ALL HOURS	.1	8.4				8.4	17.7	12.9		.5	39.6	4283

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		2.6				2.6	25.9	11.4		.2	40.1	544
09-11		3.0				3.0	23.3	18.3		.8	45.4	1123
12-14		3.4				3.4	5.5	15.7		1.1	25.7	1162
15-17	.4	5.3				5.3	.9	7.3		.6	14.0	1042
18-20	.4	5.9				5.9	.8	6.3		.1	13.1	747
21-23												0
ALL HOURS	.2	4.0				4.0	10.4	12.4		.6	27.5	618

MONTH: APR

00-02												0
03-05												0
06-08		6.9				6.9	29.3	11.4			47.6	694
09-11	.2	5.9				5.9	16.0	21.2		.4	43.5	1179
12-14	.5	7.5				7.5	3.0	14.8		.2	25.5	1089
15-17	.5	6.4				6.4	.9	8.9			16.2	1141
18-20	.1	6.0				6.0	.3	6.8		.1	13.3	777
21-23												0
ALL HOURS	.3	6.5				6.5	9.0	13.2		.2	28.9	880

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	.1	3.1				3.1	25.5	14.0		.5	43.2	736
09-11	.2	2.8				2.8	11.1	24.0		1.9	39.8	1194
12-14	.1	3.3				3.3	2.6	11.7		.7	18.3	1121
15-17	.4	3.6			.1	3.7	1.1	5.2			10.0	1133
18-20	.9	3.7			.1	3.9	.4	5.8		.3	10.3	778
21-23												0
ALL HOURS	.3	3.3			.0	3.3	7.3	12.6		.7	24.0	4962

MONTH: JUN

00-02												0
03-05												0
06-08		1.0				1.0	22.1	18.3		.9	42.4	687
09-11		.9				.9	11.7	27.2		.7	40.5	1110
12-14	.2	1.6				1.6	3.5	21.6		.7	27.4	1027
15-17	.7	1.6				1.6	2.0	12.1		.7	16.5	990
18-20	.6	.9				.9	1.5	15.1		.6	18.0	684
21-23												0
ALL HOURS	.3	1.2				1.2	7.7	19.4		.7	29.1	4498

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAUL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBS1 TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	.1	.4				.4	19.3	28.5		.1	48.4	734
09-11		.7				.7	5.7	43.1		.8	50.2	1180
12-14	.2	.2				.2	2.4	35.0		.7	38.3	1076
15-17	.2	.2				.2	.4	19.8		.4	20.7	1096
18-20	.1						.3	17.5			17.8	765
21-23												0
ALL HOURS	.1	.3				.3	5.0	29.8		.4	35.5	4851

MONTH: AUG

00-02												0
03-05												0
06-08		.5				.5	15.6	27.4		1.0	44.5	778
09-11		.4				.4	7.9	38.5		2.2	49.0	1195
12-14	.1	.6				.6	2.2	29.2		1.4	33.5	1133
15-17		.3				.3	.6	13.6		.2	14.7	1163
18-20							.4	12.1		.1	12.6	818
21-23												0
ALL HOURS	.0	.4				.4	4.9	24.8		1.0	31.2	5087

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON-AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		1.2				1.2	16.	27.2		.6	45.1	657
09-11	.2	.9				.9	7.0	46.7		1.1	55.8	1081
12-14	.4	1.1				1.1	.9	32.0		.9	34.9	1004
15-17	.7	1.4				1.4	.5	11.0		.2	13.0	1058
18-20	.1	.5				.5		9.9		.1	10.6	736
21-23												0
ALL HOURS	.3	1.1				1.1	4.3	26.3		.6	32.3	4536

MONTH: OCT

00-02												0
03-05												0
06-08	.2	1.9				1.9	19.6	11.5		.2	33.1	592
09-11		3.6				3.6	16.9	26.5		1.2	48.2	1139
12-14	.3	3.6				3.6	3.1	18.0		.4	25.1	1137
15-17	.5	4.9				4.9	.6	8.1			13.6	1043
18-20	.4	3.7				3.7	1.0	7.9		.3	12.8	736
21-23												0
ALL HOURS	.3	3.7				3.7	7.7	15.5		.5	27.2	4647

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		6.0				6.0	26.6	8.7			41.2	553
09-11	.2	4.7				4.7	27.3	22.4		.1	54.4	1118
12-14	.1	5.6				5.6	7.7	22.5		.1	35.9	1103
15-17	.2	7.9				7.9	1.1	8.3			17.3	1053
18-20	.3	9.1				9.1	1.9	6.0			17.0	629
21-23												0
ALL HOURS	.2	6.4				6.4	12.6	15.1		.0	34.1	4456

MONTH: DEC

00-02												0
03-05												0
06-08		7.0				7.0	28.1	6.2			41.3	470
09-11		6.9				6.9	31.1	14.1		.3	52.4	1090
12-14	.1	7.0			.1	7.0	13.1	20.7		.4	41.2	1135
15-17		7.1				7.1	2.2	10.1		.4	19.8	1024
18-20	.5	6.9				6.9	3.8	6.9			17.6	551
21-23												0
ALL HOURS	.1	7.0			.0	7.0	15.6	13.1		.3	35.9	4270

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
HOURS: ALL

MONTH	ISTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	6.7				6.7	15.9	13.8		.8	37.1	4502
FEB	.1	8.4				8.4	17.7	12.9		.5	39.6	4283
MAR	.2	4.0				4.0	10.4	12.4		.6	27.5	4618
APR	.3	6.5				6.5	9.0	13.2		.2	28.9	4880
MAY	.3	3.3			.0	3.3	7.3	12.6		.7	24.0	4962
JUN	.3	1.2				1.2	7.7	19.4		.7	29.1	4498
JUL	.1	.3				.3	5.0	29.8		.4	35.5	4851
AUG	.0	.4				.4	4.9	24.8		1.0	31.2	5087
SEP	.3	1.1				1.1	4.3	26.3		.6	32.3	4536
OCT	.3	3.7				3.7	7.7	15.5		.5	27.2	4647
NOV	.2	6.4				6.4	12.6	15.1		.0	34.1	4456
DEC	.1	7.0			.0	7.0	15.6	13.1		.3	35.9	4270
ANNUAL	.2	4.0			.0	4.0	9.7	17.5		.5	31.7	55590

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204

MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	3.4	38.9			.2	38.9	29.7	17.1			57.0	414
FEB	4.8	39.4			1.1	39.4	19.8	11.4			51.3	378
MAR	4.5	38.5			.2	38.5	15.2	15.4			47.2	441
APR	6.6	30.7			.5	30.7	10.1	12.5			39.9	424
MAY	6.6	23.3			.2	23.3	5.8	12.1			33.0	412
JUN	5.4	14.6				14.6	4.5	10.4			23.3	404
JUL	1.0	3.6				3.6	2.2	10.8			13.2	417
AUG	.7	4.6				4.6	1.9	4.1			9.4	415
SEP	5.5	18.9			.2	18.9	4.0	7.7			24.1	402
OCT	5.6	29.3			.2	29.3	9.7	6.3			34.6	413
NOV	4.1	38.7			.3	38.7	20.5	10.6			51.1	395
DEC	5.3	37.4		.2	.7	37.7	28.5	17.1			52.2	414
ANNUAL	4.4	26.5		.0	.3	26.5	12.6	11.3			36.3	4929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08					.1		.1			.2		
09-11		.1		.2	.2				.2		.2	
12-14	.1			.5	.1	.2	.2	.1	.4	.3	.1	.1
15-17	.2	.5	.4	.5	.4	.7	.2		.7	.5	.2	
18-20			.4	.1	.9	.6	.1		.1	.4	.3	.5
21-23												
ALL HOURS	.1	.1	.2	.3	.3	.3	.1	.0	.3	.3	.2	.1
TOTAL OBS	4502	4283	4618	4880	4962	4498	4851	5087	4536	4647	4456	4270

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS						100.0		6
LIQUID PRECIP	5.1		6.7	4.0	29.6	49.5	5.1	372
FREEZING PRECIP								
FROZEN PRECIP								
FOG	39.1		17.9	13.9	7.0	19.0	3.1	981
FOG WITH VIS GE 1/2 MILES	36.9		17.7	14.9	7.0	20.4	3.1	868
TOTAL OBS	754	0	502	334	258	576	161	2585

MONTH: FEB HOURS: ALL

TSTMS	12.5					87.5		8
LIQUID PRECIP	12.7		6.5	7.1	12.2	57.2	4.2	449
FREEZING PRECIP								
FROZEN PRECIP								
FOG	41.2		12.9	9.1	8.6	25.8	2.4	963
FOG WITH VIS GE 1/2 MILES	39.0		13.3	9.8	9.0	26.5	2.4	878
TOTAL OBS	745	0	322	306	195	791	189	2548

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS					37.5	12.5	50.0	8
LIQUID PRECIP	8.1		10.4	3.2	20.4	49.3	8.6	221
FREEZING PRECIP								
FROZEN PRECIP								
FOG	46.7		7.8	9.9	11.0	22.0	2.7	619
FOG WITH VIS GE 1/2 MILES	46.3		7.6	10.2	11.2	21.9	2.8	579
TOTAL OBS	671	1	273	268	171	654	324	2362

MONTH: APR HOURS: ALL

TSTMS	23.5				17.6	35.3	23.5	17
LIQUID PRECIP	19.5		2.1	5.3	20.4	44.3	8.4	431
FREEZING PRECIP								
FROZEN PRECIP								
FOG	29.5		6.6	6.1	14.1	38.8	4.8	559
FOG WITH VIS GE 1/2 MILES	28.7		7.0	6.5	14.3	38.4	5.1	526
TOTAL OBS	656	0	205	231	284	980	299	2655

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS			9.5		9.5	52.4	28.6	21
LIQUID PRECIP	5.9		5.0	5.9	14.9	60.4	7.9	202
FREEZING PRECIP								
FROZEN PRECIP								
FOG	33.4		4.8	5.3	15.8	38.7	2.1	476
FOG WITH VIS GE 1/2 MILES	33.1		4.9	5.1	15.6	39.3	1.9	468
TOTAL OBS	540	0	157	164	204	1105	300	2470

MONTH: JUN HOURS: ALL

TSTMS				5.9	29.4	41.2	23.5	17
LIQUID PRECIP	18.5		1.5	1.5	6.2	66.2	6.2	65
FREEZING PRECIP								
FROZEN PRECIP								
FOG	29.5		4.2	4.2	15.5	41.4	5.3	457
FOG WITH VIS GE 1/2 MILES	28.8		4.2	4.2	15.7	41.7	5.3	451
TOTAL OBS	527	3	139	166	166	982	333	2316

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS					25.0	37.5	37.5	8
LIQUID PRECIP	8.3				8.3	75.0	8.3	12
FREEZING PRECIP								
FROZEN PRECIP								
FOG	33.9		2.5	7.5	15.8	36.3	4.0	322
FOG WITH VIS GE 1/2 MILES	33.0		1.9	7.7	16.3	36.9	4.2	312
TOTAL OBS	708	4	182	168	167	1002	505	2736

MONTH: AUG HOURS: ALL

TSTMS						100.0		2
LIQUID PRECIP	8.3			8.3	12.5	70.8		24
FREEZING PRECIP								
FROZEN PRECIP								
FOG	30.3	.3	11.4	7.9	13.1	30.3	6.7	343
FOG WITH VIS GE 1/2 MILES	30.1	.3	11.5	8.0	13.3	30.1	6.8	339
TOTAL OBS	706	11	249	190	169	1012	410	2747

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	5.6		5.6	5.6	16.7	44.4	22.2	18
LIQUID PRECIP	21.7		6.5	2.2	6.5	41.3	21.7	46
FREEZING PRECIP								
FROZEN PRECIP								
FOG	33.5		8.1	15.4	11.5	28.8	2.7	260
FOG WITH VIS GE 1/2 MILES	33.2		8.2	15.6	11.7	28.9	2.3	256
TOTAL OBS	780	7	228	247	208	745	361	2576

MONTH: OCT HOURS: ALL

TSTMS	7.7		7.7		7.7	61.5	15.4	13
LIQUID PRECIP	11.1		3.5	6.5	24.1	46.2	8.5	199
FREEZING PRECIP								
FROZEN PRECIP								
FOG	40.6	.2	11.0	10.1	9.4	23.7	5.0	456
FOG WITH VIS GE 1/2 MILES	38.5	.2	11.2	10.0	10.0	24.9	5.1	429
TOTAL OBS	710	1	289	271	250	591	334	2446

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS				11.1	22.2	66.7		9
LIQUID PRECIP	5.3		6.3	7.9	26.6	45.8	8.2	380
FREEZING PRECIP								
FROZEN PRECIP								
FOG	39.1		14.4	12.2	6.8	22.8	4.6	736
FOG WITH VIS GE 1/2 MILES	36.7		15.2	12.7	7.4	23.2	4.7	676
TOTAL OBS	713	0	365	350	257	584	195	2464

MONTH: DEC HOURS: ALL

TSTMS				20.0	60.0	20.0		5
LIQUID PRECIP	6.8		2.6	4.2	23.2	59.9	3.4	384
FREEZING PRECIP								
FROZEN PRECIP								
FOG	36.1	.1	20.6	11.9	8.4	19.0	4.0	909
FOG WITH VIS GE 1/2 MILES	35.2	.1	21.6	12.2	8.5	18.9	3.3	809
TOTAL OBS	685	2	428	348	238	613	147	2461

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	5.3		3.0	3.0	18.2	50.0	20.5	132
LIQUID PRECIP	10.2		5.1	5.5	20.7	52.0	6.6	2785
FREEZING PRECIP								
FROZEN PRECIP								
FOG	37.1	.0	11.8	9.9	10.5	26.9	3.8	7081
FOG WITH VIS GE 1/2 MILES	35.7	.0	11.9	10.2	10.8	27.6	3.7	6591
TOTAL OBS	8195	29	3339	3043	2567	9635	3558	30366

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB SS
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOW" LL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	58.6	56.6	58.4	67.8	75.2	84.4	96.4	95.2	80.6	69.4	59.9	60.9	72.0
TRACE	7.0	9.0	9.0	8.9	5.3	6.7	2.2	2.7	10.2	7.0	7.4	8.9	7.0
.01	2.9	2.1	2.5	1.4	1.7	1.5	.2	.2	.7	1.0	2.3	1.7	1.5
.02-.05	5.6	4.5	6.6	5.9	4.1	1.5	1.0	.7	2.5	3.6	5.4	4.6	3.8
.06-.10	3.4	1.6	4.3	3.5	2.2	1.0		.5	1.2	3.4	4.1	4.1	2.5
.11-.25	7.3	9.5	8.1	3.1	3.9	1.7		.5	2.0	5.1	6.4	6.0	4.4
.26-.50	6.5	7.9	6.1	4.5	3.4	2.2			1.2	4.6	6.9	6.0	4.1
.51-1.00	5.8	6.9	3.6	3.5	3.2	.7	.2		1.0	3.6	4.6	6.0	3.2
1.01-2.50	2.7	1.9	1.4	1.4	1.0	.2		.2	.5	2.2	3.1	1.4	1.3
2.51-5.00	.2												.0
5.01-10.00												.2	.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	34.4	34.4	32.6	23.2	19.4	8.9	1.4	2.2	9.2	23.5	32.7	30.2	21.0
TOTAL NO. OF OBSERVATIONS	413	378	442	426	412	403	415	414	403	412	392	414	4924

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			2.65	1.17	.47	.05	.03	.23	TRACE	.91	1.66	9.64	16.81*
59	1.69	.58	2.37	1.00	4.73	TRACE	TRACE	TRACE	.04	1.56	2.03	1.22	15.22
60	2.71	4.06	4.13	1.67	1.45	.30	TRACE	TRACE	.17	9.19	2.65	1.43	27.76
61	.86	.02	1.19	1.18	3.51	.07	.05	.00	.93	1.91	8.74	3.84	22.30
62	2.87	1.88	4.52	2.61	1.42	1.12	.00	TRACE	.11	5.69	2.18	8.03	30.43
63	7.02	4.88	1.76	3.40	1.65	1.37	.00	.00	.75	.96	6.46	8.79	37.04
64	1.11	5.86	4.43	1.11	1.31	.13	.62	.00	.31	.17	1.66	2.23	18.94
65	1.75	3.41	2.79	.33	TRACE	.60	.00	.00	3.27	4.44	3.97	2.10	22.66
66	6.00	4.43	.03	3.29	.28	.44	TRACE	.05	.38	4.39	2.56	.37	22.22
67	2.26	2.44	1.05	1.19	1.37	1.04	.03	TRACE	.31	2.96	3.38	.56	16.59
68	TRACE	6.00	1.78	2.08	.78	.49	TRACE	.28	.10	.91	4.84	3.07	20.33
69	5.32	6.01	5.03	1.70	2.21	1.02	TRACE	.04	1.96	3.56	4.57	1.98	33.40
70	10.23	.40	1.70*	.85*	.77*	.36*	.00*	.00*	.00*	.63*	1.14*	1.74*	17.82*
71	4.57*	.80*	1.56*	6.46*	5.66*	.81*	.00*	1.43*	.34*	.01*	.63*	1.52*	23.79*
72	5.46*	4.04*	2.97*	.72*									13.19*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	TRACE	.02	.03	.33	TRACE	TRACE	.00	.00	TRACE	.17	1.66	.37	15.22
GREATEST	10.23	6.01	5.03	6.46	5.66	1.37	.62	1.43	3.27	9.19	8.74	9.64	37.04
MEAN	3.48	3.33	2.64	1.73	1.60	.55	.06	.05	.69	3.05	3.72	3.60	24.26
MEDIAN	2.49	3.74	2.51	1.43	1.40	.47	TRACE	TRACE	.31	2.44	3.02	2.17	22.30
SD	3.031	2.233	1.588	.949	1.357	.477	.177	.098	.980	2.594	2.155	3.305	7.015
TOTAL OBS	413	378	442	426	412	403	415	414	403	412	392	414	4924

THE GREATEST VALUE OF 10.23 OCCURRED ON 01/70

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			1.02	1.10	.42	.02	.03	.16	TRACE	.30	1.22	1.46	1.46*
59	.40	.26	.39	.30	2.05	TRACE	TRACE	TRACE	.04	.84	.69	.50	2.05
60	1.15	.86	.89	1.32	1.00	.27	TRACE	TRACE	.17	2.10	.94	.32	2.10
61	.20	.02	.59	.59	1.61	.05	.02	.00	.51	.93	1.6	1.33	1.64
62	.97	.91	1.27	.85	.73	.62	.00	TRACE	.06	2.30	.75	5.16	5.16
63	.87	1.52	.87	1.29	.61	1.06	.00	.00	.56	.83	1.97	1.05	1.97
64	.64	1.99	2.09	.52	1.31	.12	.62	.00	.20	.14	.84	.72	2.09
65	.58	1.05	1.21	.29	TRACE	.60	.00	.00	1.15	1.41	.94	.81	1.41
66	2.64	1.28	.03	.91	.28	.33	TRACE	.05	.21	1.64	1.86	.17	2.64
67	.87	.71	.67	.48	.48	.49	.03	TRACE	.31	1.32	.78	.45	1.32
68	TRACE	.97	.46	1.32	.38	.30	TRACE	.16	.07	.79	1.68	1.18	1.68
69	1.22	1.03	1.25	.64	.64	.71	TRACE	.04	.92	1.67	1.50	.76	1.67
70	1.75	.21	.62*	.44*	.23*	.31*	.00*	.00*	.00*	.52*	.48*	.97*	1.75*
71	1.43*	.78*	.71*	1.12*	2.23*	.47*	.00*	1.42*	.33*	.01*	.30*	.68*	2.23*
72	1.91*	1.61*	.85*	.70*									1.91*
GREATEST	2.64	1.99	2.09	1.32	2.23	1.06	.62	1.42	1.15	2.30	1.97	5.16	5.16
TOTAL OBS	413	378	442	426	412	403	415	414	403	412	392	414	4924

THE GREATEST VALUE OF 5.16 OCCURRED ON 12/27/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB- SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	100.0
TRACE												.2	.0
0.1-0.4													
0.5-1.4													
1.5-2.4													
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	413	378	445	427	412	405	415	418	403	413	402	416	4947

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*
71	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*
72	.0*	.0*	.0*	.0*									.0*

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

THE GREATEST VALUE OF TRACE OCCURRED ON 12/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILL NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*
71	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*
72	.0*	.0*	.0*	.0*									.0*
GREATEST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
TOTAL OBS	413	378	445	427	412	405	415	418	403	413	402	416	4947

THE GREATEST VALUE OF TRACE OCCURRED ON 12/13/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	413	378	445	427	412	405	415	418	403	413	402	416	4947

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			0	0	0	0	0	0	0	0	0	0	0*
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	3	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
71	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
72	0*	0*	0*	0*									0*
GREATEST	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OBS	413	378	445	427	412	405	415	418	403	413	402	416	4947

THE GREATEST VALUE OF 0 OCCURRED ON 03/03/58

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 6207-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
62							WSW*22	WSW 25	WSW 24	W 34	SSW 26	SSW 48	SSW*48
63	SW 47	WSW 40	SSW 39	W 36	ENE 26	SW 29	S 28	WSW 33	SW 26	SSW 34	W 55	SW 36	W 55
64	ESE 20	SSW 33	SW 34	SSW 30	SSW 32	SW 27	ESE 25	W 28	SE *27	W 27	SSW 32	SSW 22	SW *34
65	W 34	ESE 30	SW 42	WSW 26	SW 26	W 27	W 27	WSW 26	SW 36	SW 32	S 36	SSW 34	SW 42
66	WSW 33	W 46	E 24	W 36	S 28	E 34	WSW 24	WSW 20	E 24	WSW 37	SSW 40	WSW 32	W 46
67	SSW 45	W 48	S 41	WSW 32	SSW 38	NNE 34	WSW 28	WSW 28	WSW 37	ESE 29	SW 40	NNE 25	W 48
68	ESE 20	S 39	SW 33	SW 30	W 26	WSW 25	24/ 26	26/ 33	22/ 25	20/ 34	26/ 47	23/ 40	26/ 47
69	26/ 55	21/ 38	25/ 34	20/ 23	20/ 34	25/ 26	09/ 30	25/ 28	28/ 28	24/ 29	19/ 28	25/ 30	26/ 55
70	20/ 39	20/ 22	25/ 26	03/*28	23/*31	24/*24	25/*21	25/*27	15/*28	06/*29	22/*31	26/*32	20/*39
71	23/*46	12/*27	23/*36	20/*30	23/*27	22/*28	09/*20	26/*17	10/*26	06/*21	32/*24	20/*34	23/*46
72	20/*31	21/*35	33/*25	26/*28									21/*35
.....													
GREATEST	26/ 55	W 48	SW 42	W 36	SSW 38	E 34	09/ 30	WSW 33	WSW 37	WSW 37	W 55	SSW 48	W 55
.....													
TOTAL OBS	287	265	289	270	254	252	279	287	271	282	277	287	3300
.....													

THE PEAK WIND OF 55 FROM W OCCURRED ON 11/15/63

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 6207-7204
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN	MEDIAN	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	
JAN	.0	22.0	29.3	18.1	10.1	9.1	7.0	2.8	1.0	.7	.0	16.8	14.0	287
FEB	.0	11.7	28.7	23.8	10.2	11.7	6.8	5.3	1.9	.0	.0	18.6	16.0	265
MAR	.0	5.9	30.1	29.1	19.4	8.0	6.2	.7	.7	.0	.0	18.0	17.0	289
APR	.0	3.7	23.7	35.6	24.8	7.8	3.3	1.1	.0	.0	.0	18.0	17.0	270
MAY	.0	1.2	26.0	36.2	25.6	7.5	3.1	.4	.0	.0	.0	18.1	18.0	254
JUN	.0	1.6	15.9	45.6	27.4	8.7	.8	.0	.0	.0	.0	18.5	18.0	252
JUL	.0	1.1	10.4	55.6	29.7	2.9	.4	.0	.0	.0	.0	18.2	18.0	279
AUG	.0	1.0	17.1	43.9	30.7	6.3	1.0	.0	.0	.0	.0	18.2	18.0	287
SEP	.0	3.0	25.1	39.5	22.5	8.1	1.1	.7	.0	.0	.0	17.8	17.0	271
OCT	.0	9.6	39.7	26.2	14.2	7.4	2.5	.4	.0	.0	.0	16.1	15.0	282
NOV	.4	18.8	32.5	22.4	13.4	7.2	2.9	1.1	1.1	.4	.0	16.0	14.0	277
DEC	.0	19.9	34.1	20.9	13.2	5.2	3.8	1.4	1.4	.0	.0	15.7	14.0	287
ANNUAL	.0	8.4	26.2	32.9	20.0	7.5	3.3	1.2	.5	.1	.0	17.5	17.0	3300

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.2	1.0									2.2	8.4	8.0
020-040	2.2	4.3	5.5	1.0	.2							13.2	9.2	10.0
050-070	1.4	4.0	7.5	.6		.2						13.8	9.7	10.0
(E) 080-100	.8	2.2	1.2	.2								4.5	7.5	8.0
110-130	1.2	2.8	.8		.2							5.1	7.6	7.0
140-160	.6	1.2	.6		.4	.2						3.0	10.1	8.0
(S) 170-190	1.4	2.2	5.1	3.4	.4		.6					13.2	12.4	12.0
200-220	.2	1.2	3.6	.8	.6							6.5	11.9	11.0
230-250	.4	1.0	1.8	1.6	.2		.4					5.5	13.7	14.0
(W) 260-280		.4	.2	.4	.2							1.2	13.7	14.0
290-310			.2									.2	12.0	12.0
320-340	.2											.2	4.0	4.0
VARIABLE														
CALM	////////////////////											31.6	////////	
TOTALS	8.4	20.5	27.5	8.0	2.2	.4	1.0					100.0	7.1	10.0
TOTAL NUMBER OF OBSERVATIONS 494														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB, SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	.7									3.9	6.2	6.0
020-040	1.6	3.3	5.1	1.0	.3							11.3	9.7	10.0
050-070	2.3	4.4	5.4	.6	.3	.1						13.0	9.0	8.0
(E) 080-100	1.3	1.8	1.2	.3	.1							4.7	7.9	7.0
110-130	.8	.6	.5	.3		.1						2.3	8.3	8.0
140-160	.3	.7	.7	.1	.1	.1						1.9	10.5	9.0
(S) 170-190	1.5	2.3	4.9	1.6	1.6	.4	.3					12.7	12.6	10.0
200-220	.4	1.0	2.4	.7	.5	.1	.3	.1				5.6	13.7	12.0
230-250	.4	.9	2.5	1.3	.6		.2	.1				6.0	13.5	12.0
(W) 260-280	.1	.3	.7	.5								1.6	11.9	12.0
290-310	.2		.1	.1		.1						.4	11.8	10.0
320-340		.3	.1									.3	7.5	7.0
VARIABLE														
CALM	////////////////////											36.2	////////	
TOTALS	10.5	17.2	24.3	6.5	3.5	.9	.8	.2				100.0	6.7	10.0

TOTAL NUMBER OF OBSERVATIONS 1152

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.8	2.0	.4								7.1	7.5	6.0
020-040	1.4	4.2	7.7	3.2	.5	.2						17.3	11.2	10.0
050-070	.8	2.5	4.5	1.2	.8		.1					10.0	11.4	10.0
(E) 080-100	.8	.7	.4	.3	.1							2.3	7.9	7.0
110-130	.3	.4	.5	.2	.1							1.4	10.3	10.0
140-160	.2	.4	.3	.1	.1							1.0	10.0	8.0
(S) 170-190	1.0	.7	2.6	1.4	1.8	.7	.4	.1				8.6	15.7	16.0
200-220	.3	1.0	2.7	1.3	.5	.5	.3		.1			6.7	15.1	14.0
230-250	.7	1.5	3.1	1.5	1.8	.1	.4	.1				7.2	14.1	14.0
(W) 260-280	.8	1.0	2.0	1.2	.3	.1						5.3	11.4	12.0
290-310	.6	.6	.8	.2								2.2	8.2	8.0
320-340	.9	.4	.1		.1							1.4	6.3	4.0
VARIABLE														
CALM	////////////////////////////////////											27.5	////////	
TOTALS	9.8	16.2	26.7	11.0	6.1	1.6	1.2	.2	.1			100.0	8.6	10.0

TOTAL NUMBER OF OBSERVATIONS 1124

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	2.9	2.5	.4	.3							8.7	8.1	6.5
020-040	2.0	4.3	5.6	1.7	.9			.1				14.6	10.6	10.0
050-070	.4	1.6	3.1	2.3		.2	.1					7.6	12.2	12.0
(E) 080-100	.3	.7	1.1	.4	.1							2.5	11.1	12.0
110-130		.4	.3	.3	.1	.1						1.1	13.8	13.0
140-160	.2	.1	.2	.2								.7	9.6	12.0
(S) 170-190	.2	.5	1.7	1.1	1.5	.3	.4		.1			5.7	16.8	16.0
200-220	.2	1.5	3.0	1.3	1.8		.6	.4				8.8	15.9	14.0
230-250	1.1	1.7	4.0	2.7	2.1	.5	.2	.1	.1			12.4	14.5	14.0
(W) 260-280	.9	1.7	3.5	1.2	.6	.2						8.1	11.5	12.0
290-310	1.6	1.4	1.4	.3								4.7	7.6	6.0
320-340	1.0	.7	.4	.1	.1							2.3	6.9	6.0
VARIABLE	.3	.1	.1									.5	5.0	4.0
CALM	////////////////////////////////////											22.3	////////////////////////////////	
TOTALS	10.7	17.6	26.9	12.0	7.5	1.3	1.3	.6	.2			100.0	9.3	12.0

TOTAL NUMBER OF OBSERVATIONS 1062

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.0	1.8	.2		.2						5.4	8.0	8.0
020-040	2.8	3.6	3.9	1.3								11.7	8.8	8.0
050-070	1.5	1.6	3.1	.3								6.6	8.9	10.0
(E) 080-100	.3	.8	.8	.7								2.6	10.8	11.0
110-130	.5	.3	.7	.2	.5							2.1	12.4	12.0
140-160	.2	.3	.3	.5								1.3	11.1	11.0
(S) 170-190	.2	.2	2.1	.8	1.1	.3	.3					5.1	16.4	15.0
200-220	.7	2.0	3.9	1.3	1.5	.5						7.9	13.1	12.0
230-250	1.8	2.0	4.1	3.1	1.8	.2						13.0	12.6	12.0
(W) 260-280	.7	2.1	3.0	1.1	.7		.2					7.7	11.4	10.0
290-310	.8	1.5	.3		.2							2.8	7.3	6.0
320-340	.8	.7	.8									2.3	6.9	6.0
VARIABLE														
CALH	////////////////////////////////////											29.6	////////////////////////////////	
TOTALS	11.6	17.1	24.8	9.5	5.8	1.2	.5					100.0	7.7	10.0

TOTAL NUMBER OF OBSERVATIONS 609

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.2	1.6	.2	.1	.0						5.9	7.6	6.0
020-040	1.9	3.9	5.8	1.8	.5	.0		.0				13.8	10.3	10.0
050-070	1.2	2.8	4.5	1.1	.3	.1	.0					10.2	10.3	10.0
(E) 080-100	.7	1.2	.9	.3	.1							3.3	8.8	8.0
110-130	.5	.7	.5	.2	.1	.0						2.1	9.7	8.0
140-160	.2	.5	.4	.2	.1	.0						1.4	10.3	8.0
(S) 170-190	.9	1.2	3.2	1.6	1.4	.4	.4	.0	.0			9.0	14.2	13.0
200-220	.3	1.3	3.0	1.1	1.0	.2	.3	.1	.0			7.3	14.4	14.0
230-250	.9	1.4	3.2	2.0	1.4	.2	.2	.1	.0			9.2	13.8	14.0
(W) 260-280	.5	1.1	2.0	.9	.3	.1	.0					4.9	11.6	12.0
290-310	.7	.7	.6	.1	.0	.0						2.2	8.0	6.0
320-340	.6	.4	.2	.0	.0							1.3	6.7	6.0
VARIABLE	.1	.0	.0									.1	5.0	4.0
CALM	////////////////////////////////////											29.3	////////////////////////////////	
TOTALS	10.2	17.4	25.9	9.5	5.3	1.0	.9	.2				100.0	8.0	10.0

TOTAL NUMBER OF OBSERVATIONS 4441

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.2	1.7									5.5	6.9	6.0
020-040	2.2	3.0	2.2	.3								7.7	7.3	6.0
050-070	1.1	3.9	1.4	.3								6.6	7.5	8.0
(E) 080-100	.8	1.1	.3									2.2	5.8	7.0
110-130		.6		.3								.8	10.7	8.0
140-160	.3	.3	.6	.3		.6						1.9	15.1	14.0
(S) 170-190	1.4	1.1	3.0	4.7	4.1	.8	1.4	.3				16.9	17.3	18.0
200-220	.8	2.5	4.7	1.9	3.9	.8	1.4	.6	.3			15.9	17.1	16.0
230-250	.6	1.1	2.5	3.3	1.7	.6	.8	.3				16.8	17.2	16.0
(W) 260-280	.3	.6	.6	.3	.3	.3						2.2	13.0	12.0
290-310		.3				.3						.6	16.0	15.5
320-340		.6			.3							.8	12.0	8.0
VARIABLE														
CALM	////////////////////											27.1	////////	
TOTALS	9.2	17.3	17.0	11.4	10.3	3.4	3.6	1.2	.3			100.0	10.1	12.0

TOTAL NUMBER OF OBSERVATIONS 362

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.3	1.0			.2						2.9	8.9	8.0
020-040	1.7	3.5	2.7		.2							8.1	8.1	8.0
050-070	2.9	3.8	3.3	.8	.8							11.7	9.2	8.0
(E) 080-100	1.9	1.5	1.5	.4								5.2	8.2	8.0
110-130	1.3	1.7	.6	.2								3.7	6.7	6.0
140-160	.8	1.3	.4									2.5	6.5	6.0
(S) 170-190	2.5	2.9	5.0	2.5	.4			.2				13.5	10.6	10.0
200-220	.6	2.3	5.4	1.5	.2	.6						10.6	11.5	10.0
230-250	.2	1.7	2.5	.8	1.0	.4	.8					7.5	15.4	12.0
(W) 260-280	.2		.4	.4								1.0	12.0	12.0
290-310		.4		.4								.8	13.0	13.0
320-340		.2										.2	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											32.1	////////////////////////////////	
TOTALS	12.5	20.6	22.8	7.0	2.6	1.2	.8	.2				100.0	6.9	10.0
TOTAL NUMBER OF OBSERVATIONS 480														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.8	1.0									2.4	7.8	6.0
020-040	1.7	2.4	3.0	.8	.1		.1					8.1	9.3	8.0
050-070	1.3	3.5	4.9	1.4	1.2							12.3	10.9	10.0
(E) 080-100	.9	1.8	.8	.3	.1							3.8	7.9	6.0
110-130	1.1	.9	.5	.2	.1	.2		.1				3.0	9.8	8.0
140-160	1.1	.9	.3									2.2	5.9	6.0
(S) 170-190	.7	3.1	3.6	1.1	1.0	.1		.1				9.5	11.5	10.0
200-220	.4	2.2	4.6	1.8	1.4	.4	.3	.1				11.3	13.8	12.0
230-250	1.1	1.6	2.2	2.2	.9	.2	.4	.2				8.8	14.0	14.0
(W) 260-280		.2	.7	.2	.3	.1						1.4	14.1	12.0
290-310	.1	.3	.4	.1								.9	9.8	10.0
320-340	.3	.1	.2									.6	6.7	6.0
VARIABLE														
CALM	////////////////////											35.7	////////	
TOTALS	9.4	17.8	22.2	8.1	5.1	1.0	.8	.5				100.0	7.2	10.0

TOTAL NUMBER OF OBSERVATIONS 1039

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.6	1.9	.2								6.3	7.5	8.0
020-040	1.0	2.5	5.2	1.3	.1	.3	.1					10.5	10.8	10.0
050-070	.7	1.4	4.8	2.0	1.0	.2	.2					10.3	13.0	12.0
(E) 080-100	.1	.4	1.0	.7	.4	.1						2.6	13.3	12.0
110-130	.6	.6	.5	.3	.1	.2	.2					2.4	12.6	12.0
140-160	.4	.2	.4	.3								1.2	9.5	10.0
(S) 170-190	.4	.4	1.5	1.4	.6							4.2	13.9	14.0
200-220	.1	2.2	4.2	1.9	2.2	1.0	.6	.1				12.2	15.9	14.0
230-250	1.0	1.4	3.2	2.4	1.4	.8	.8	.2				11.2	15.4	14.0
(W) 260-280	.4	1.0	2.0	.9	.8	.4	.1	.1				5.7	13.9	12.0
290-310	1.1	.8	1.2	.3	.1							3.5	8.3	8.0
320-340	.5	.1	.7	.2	.5							1.9	11.9	11.5
VARIABLE	.2											.2	2.0	2.0
CALM	////////////////////////////////////											27.8	////////////////////////////////	
TOTALS	8.1	13.6	26.6	11.9	7.2	3.0	2.0	.4				100.0	9.3	12.0

TOTAL NUMBER OF OBSERVATIONS 1059

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.3	3.0	.3	.1							8.2	8.2	8.0
020-040	.8	2.9	4.9	1.3	.9	.1	.1					10.9	11.5	10.0
050-070	.4	1.5	2.6	1.7	.7	.1						6.9	12.9	12.0
(E) 080-100	.1	.8	1.3	.6	.6	.1						3.5	13.3	14.0
110-130	.1	.1	.4	.2	.3	.3	.2					1.6	18.9	19.0
140-160	.1	.2	.1	.1	.1							.6	11.3	11.0
(S) 170-190	.2	.3	1.3	.7	.6	.2						3.3	14.4	14.0
200-220	.4	1.0	2.9	1.1	2.6	1.2	1.2	.1				10.4	18.1	18.0
230-250	1.2	2.7	5.4	4.4	2.4	.5	1.0	.1	.1			17.7	15.0	14.0
(W) 260-280	1.2	3.4	3.6	1.3	1.2	.3			.1			11.0	11.6	10.0
290-310	1.3	1.1	1.2	.6	.3							4.5	9.4	8.0
320-340	1.2	1.3	.9	.5	.2	.1						4.2	9.1	8.0
VARIABLE		.1										.1	6.0	6.0
CALM	////////////////////											17.2	////////	
TOTALS	8.6	18.7	27.6	12.8	10.0	2.9	2.5	.2	.2			100.0	10.7	12.0
TOTAL NUMBER OF OBSERVATIONS 1010														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LSI TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.3	1.7	.2								6.5	6.7	6.0
020-040	1.7	2.3	5.0	1.7	.2							10.7	10.2	10.0
050-070	.8	.6	3.3	.5	.5	.2						5.7	12.1	11.0
(E) 080-100	.2	1.5	2.0	.2	.6	.2						4.5	11.6	10.0
110-130	.2	.5	.3	.3	.3							1.5	12.8	13.0
140-160		.3	.6									.9	10.0	10.0
(S) 170-190	.2	1.2	1.7	.9	.3							4.2	11.8	10.0
200-220	1.2	1.1	4.2	1.8	2.3	.5	.8					11.7	15.0	14.0
230-250	1.1	4.1	5.6	5.1	2.3	1.4	.6					20.0	14.2	14.0
(W) 260-280	1.5	3.2	3.2	1.1	.8		.2					9.8	10.2	10.0
290-310	.9	.6	.5	.2	.3							2.4	9.0	7.0
320-340	.5	1.1	1.5	.6	.2							3.8	10.3	10.0
VARIABLE														
CALM	////////////////////////////////////											18.2	////////	
TOTALS	10.7	18.8	29.6	2.6	7.8	2.3	1.6					100.0	9.7	10.0

TOTAL NUMBER OF OBSERVATIONS 664

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.1	1.8	.1	.0	.0						5.5	7.7	6.0
020-040	1.3	2.6	4.3	1.1	.3	.1	.1					9.8	10.3	10.0
050-070	1.0	2.1	3.9	1.4	.9	.1	.0					9.4	11.7	10.0
(E) 080-100	.5	1.1	1.2	.4	.4	.1						3.7	10.8	10.0
110-130	.6	.6	.4	.2	.2	.2	.1	.0				2.4	11.7	8.0
140-160	.5	.5	.3	.1	.0							1.4	7.8	6.0
(S) 170-190	.6	1.4	2.4	1.2	.6	.1		.0				6.3	12.1	10.0
200-220	.5	1.7	4.1	1.6	1.9	.8	.6	.1				11.3	15.3	14.0
230-250	1.0	2.2	3.8	3.1	1.6	.6	.7	.1	.0			13.1	14.8	14.0
(W) 260-280	.6	1.6	2.0	.8	.7	.2	.0	.0	.0			6.0	11.9	10.0
290-310	.8	.7	.8	.3	.1							2.6	9.1	8.0
320-340	.5	.5	.7	.3	.2	.0						2.2	9.9	10.0
VARIABLE	.0	.0										.1	3.3	2.0
CALII	////////////////////////////////////											26.2	////////	
TOTALS	9.3	17.1	25.7	10.6	6.9	2.2	1.5	.2				100.0	8.9	10.0

TOTAL NUMBER OF OBSERVATIONS 4252

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.0	.2		.2							1.9	8.4	6.0
020-040	1.2	2.6	2.9									6.7	8.4	8.0
050-070	1.2	.7	1.0	.7								3.6	9.0	8.0
(E) 080-100	1.0	.2		.2								1.4	6.0	4.0
110-130	.7	.5	.5									1.7	6.9	8.0
140-160	1.2		.2	.2								1.7	6.6	4.0
(S) 170-190	.7	2.4	2.6	1.4	1.4							8.6	11.9	10.0
200-220	.2	3.1	6.7	4.0	4.8	1.2	3.1	.2				23.3	17.5	17.0
230-250	1.2	1.9	3.3	3.3	2.9	1.9	3.6	.7				18.8	19.4	18.0
(W) 260-280	.5		1.2	.2			.2					2.1	12.2	12.0
290-310	.5	.5	.2	.2								1.4	8.7	8.0
320-340		.5			.2							.7	11.3	8.0
VARIABLE														
CALM	////////////////////////////////////											28.3	////////////////////////////////	
TOTALS	8.9	13.4	18.8	10.2	9.5	3.1	6.9	.9				100.0	10.5	12.0

TOTAL NUMBER OF OBSERVATIONS 421

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.2										.4	3.5	3.5
020-040	1.5	2.4	2.0									5.9	7.9	8.0
050-070	1.9	3.7	6.1	1.1	.6	.2						13.5	10.2	10.0
(E) 080-100	1.5	1.9	.6		.2							4.1	7.0	6.0
110-130	1.1	2.2	.7									4.1	6.5	6.0
140-160	2.4	3.0	.6									5.9	5.7	6.0
(S) 170-190	1.1	4.4	3.7	1.1	.2							10.6	9.5	8.0
200-220	1.1	2.4	4.1	.4	.2							8.1	9.3	10.0
230-250	.7	1.9	2.6	.7	.4							6.3	10.6	10.0
(W) 260-280	.2	.2	.9									1.3	10.0	10.0
290-310	.2	.4	.7	.2								1.5	10.5	10.0
320-340	.2	.7		.2								1.1	8.2	7.5
VARIABLE														
CALM	////////////////////////////////////											37.2	////////	
TOTALS	12.1	23.4	22.0	3.7	1.6	.2						100.0	5.5	8.0
TOTAL NUMBER OF OBSERVATIONS 540														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.3	1.3	.2								3.9	7.9	8.0
020-040	.9	3.0	4.2	.4	.2							8.8	9.4	10.0
050-070	1.7	3.2	4.6	.6	1.0	.4	.2					11.7	10.9	10.0
(E) 080-100	.7	1.4	1.3		.1							3.5	7.9	8.0
110-130	.6	.7	.2	.1		.1						1.7	7.3	6.0
140-160	.7	.6	.4									1.8	6.2	5.5
(S) 170-190	1.7	2.4	2.5	1.2	.4							8.3	9.7	9.0
200-220	.7	2.3	4.1	.8	.5				.1			8.6	11.0	10.0
230-250	.5	1.8	2.4	2.2	.3							7.2	11.8	11.0
(W) 260-280	.5	1.0	1.8	.4	.1							3.9	10.2	10.0
290-310	.2	.4	.6		.1							1.3	9.6	10.0
320-340	.6	.2	.5	.1								1.4	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											38.1	////////////////////////////////	
TOTALS	9.9	18.3	23.9	6.0	2.7	.5	.2		.1			100.0	6.1	10.0
TOTAL NUMBER OF OBSERVATIONS 1115														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	3.6	2.8	.3	.1							8.5	8.1	8.0
020-040	.9	2.3	5.0	1.2	1.2	.2						10.8	11.8	10.0
050-070	.6	1.5	3.4	2.2	1.0		.1					8.7	13.0	13.0
(E) 080-100	.6	.8	.9	.9	.3							3.4	10.8	10.0
110-130	.6	.3	.7	.3	.2							2.1	10.8	10.0
140-160			.3	.2	.1							.6	13.7	12.0
(S) 170-190	.4	.9	.6	.8	.5	.1	.1					3.4	12.9	12.0
200-220	.9	1.0	2.5	1.1	1.0	.1	.4					7.0	13.7	14.0
230-250	.8	2.5	4.7	2.6	1.2	.3	.1		.1			12.4	13.3	12.0
(W) 260-280	1.2	2.5	5.1	1.2	.5	.1						10.7	10.8	10.0
290-310	1.0	.8	1.5	1.0	.3							4.4	10.7	10.0
320-340	.5	1.3	1.0	.3								3.2	8.7	8.0
VARIABLE	.3	.1										.3	3.8	3.5
CALN	////////////////////////////////////											24.4	////////	
TOTALS	9.5	17.6	28.5	12.1	6.4	.8	.7		.1			100.0	8.7	10.0
TOTAL NUMBER OF OBSERVATIONS 1149														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.2	2.4	.6	.5							7.5	9.3	8.0
020-040	.5	1.4	3.1	1.6	.8	.1						7.4	12.5	12.0
050-070	.7	1.1	2.8	1.6	.7	.1						6.9	12.4	12.0
(E) 080-100	.3	.6	.7	.6	.4	.3						2.8	13.6	12.0
110-130		.3	.7	.7								1.6	13.0	14.0
140-160		.2	.1									.3	8.3	8.0
(S) 170-190	.2	.4	1.0	.7	.5	.1	.2	.1				3.1	15.4	15.0
200-220	.4	1.1	1.6	1.7	1.6	.1	.8					7.2	16.2	17.0
230-250	.7	2.9	6.4	2.7	3.3	1.6	.8					18.3	15.2	14.0
(W) 260-280	1.6	5.0	6.0	1.9	1.1	.3	.1					16.0	11.2	10.0
290-310	1.5	2.0	2.5	1.1	.3							7.4	9.7	10.0
320-340	.8	2.6	1.3	.7	.2							5.5	9.0	8.0
VARIABLE	.6	.2	.2									1.0	5.2	4.0
CALM	////////////////////////////////////											15.0	////////////////////////////////	
TOTALS	9.0	20.0	28.8	13.9	9.4	2.6	1.9	.1				100.0	10.6	12.0

TOTAL NUMBER OF OBSERVATIONS 1031

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	2.3	1.7	1.2	.3							6.2	10.3	10.0
020-040	.9	1.6	2.6	.8	.3							6.2	10.3	10.0
050-070	.4	.8	2.6	1.1	.4							5.2	11.7	10.0
(E) 080-100	.3	1.2	2.1	.5	.3	.1						4.6	11.3	10.0
110-130	.1	.5	.3	.4	.1							1.5	11.8	12.0
140-160		.3	.3									.5	9.3	9.0
(S) 170-190	.4	.9	1.1	1.3	.3	.1						4.2	12.5	12.0
200-220	.4	1.5	3.6	1.9	1.2	.5	.4					9.5	14.4	12.0
230-250	.8	4.0	7.9	4.6	3.4	.5	.7					21.9	14.0	14.0
(W) 260-280	1.6	4.3	5.0	2.1	1.3	.1	.1					14.6	11.1	10.0
290-310	1.3	2.1	2.1	1.2	.7							7.5	10.6	10.0
320-340	.5	2.4	1.9	.9								5.8	9.7	8.0
VARIABLE		.1										.1	6.0	6.0
CALM	////////////////////////////////////											12.2	////////	
TOTALS	7.4	22.0	31.2	16.0	8.3	1.3	1.2					100.0	10.6	10.0
TOTAL NUMBER OF OBSERVATIONS 745														

TOTAL NUMBER OF OBSERVATIONS 745

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.1	1.9	.5	.2							5.8	8.8	8.0
020-040	.9	2.2	3.6	.9	.6	.1						8.2	10.8	10.0
050-070	1.0	2.0	3.7	1.4	.8	.1	.1					9.0	11.6	10.0
(E) 080-100	.6	1.1	1.1	.4	.2	.1						3.6	10.2	10.0
110-130	.5	.7	.5	.3	.1	.0						2.0	9.6	8.0
140-160	.5	.6	.3	.0	.0							1.4	7.0	6.0
(S) 170-190	.8	1.6	1.6	1.0	.4	.1	.1	.0				5.5	11.2	10.0
200-220	.7	1.6	3.1	1.2	.9	.1	.3		.0			8.0	13.1	12.0
230-250	.7	2.6	4.8	2.6	1.7	.5	.3		.0			13.3	13.7	12.0
(W) 260-280	1.1	2.7	4.0	1.2	.6	.1	.0					9.8	11.0	10.0
290-310	.9	1.1	1.5	.7	.3							4.5	10.2	10.0
320-340	.6	1.4	1.0	.4	.0							3.5	9.0	8.0
VARIABLE	.2	.1	.0									.3	4.9	4.0
CALM	////////////////////////////////////											25.2	////////////////////////////////	
TOTALS	9.7	19.8	27.1	10.6	5.8	1.1	.8					100.0	8.4	10.0

TOTAL NUMBER OF OBSERVATIONS 4580

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST T UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
											%	WIND	WIND
(N) 350-010	.5	.9	.9								2.3	8.2	8.0
020-040	.9	2.8	1.8								5.5	7.5	6.0
050-070	1.4	1.4	.9								3.7	5.5	6.0
(E) 080-100		1.4									1.4	6.7	6.0
110-130	.5										.5	4.0	4.0
140-160		1.4	1.4								2.8	8.7	8.0
(S) 170-190	1.4	6.0	2.3	3.2	.5	.5	.5				14.3	11.3	8.0
200-220	.5	3.7	6.5	6.5	2.8	.9	1.8		.5		23.0	16.0	16.0
230-250	.5	1.4	2.3	.5	1.8	.9					7.4	14.4	14.0
(W) 260-280	1.4	.5	.9	.9	.5	.5					4.6	12.5	11.5
290-310	.5		.9	.5							1.8	11.5	12.0
320-340		.9	.5								1.4	9.3	8.0
VARIABLE													
CALII	////////////////////////////////////										31.3	////////////////////////////////	
TOTALS	7.6	20.4	18.4	11.6	5.6	2.8	2.3		.5		100.0	8.4	10.0
TOTAL NUMBER OF OBSERVATIONS 217													

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6	.1									1.2	6.3	6.0
020-040	.7	1.6	1.9									4.2	8.4	8.0
050-070	.9	2.9	2.8	.7	.6							7.8	10.0	10.0
(E) 080-100	1.5	1.3	1.6									4.4	7.1	7.0
110-130	1.7	2.0	.9	.3								4.9	7.0	6.0
140-160	1.3	2.3	1.2									4.8	7.2	7.0
(S) 170-190	1.9	4.9	6.0	.9	.4							14.1	9.4	10.0
200-220	1.0	4.2	7.1	1.2	.9							14.4	10.6	10.0
230-250	.6	1.2	3.2	1.5		.1						6.5	11.6	12.0
(W) 260-280		.6	.4									1.0	9.4	8.0
290-310	.6	.3										.9	4.7	4.0
320-340														
VARIABLE														
CALM	////////////////////											35.8	////////////////	
TOTALS	10.6	21.9	25.2	4.6	1.9	.1						100.0	6.0	8.0
TOTAL NUMBER OF OBSERVATIONS 689														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MCNTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.9	.7	.1								3.4	7.0	6.0
020-040	1.4	2.0	2.7	1.1	.1							7.3	9.5	10.0
050-070	.5	2.5	4.0	1.5	.8	.4						9.9	12.0	10.0
(E) 080-100	.8	.8	.9	.6	.2							3.2	10.0	10.0
110-130	.6	.4	.8	.3								2.0	8.7	9.0
140-160	.3	.5	.3	.1								1.2	7.8	8.0
(S) 170-190	1.3	2.1	3.7	1.0	1.1	.3	.1					9.5	11.7	10.0
200-220	.5	3.0	6.5	2.6	.8	.1	.1	.1				13.7	12.1	12.0
230-250	.9	2.3	4.2	1.0	.7	.1						9.2	11.1	10.0
(W) 260-280	.4	1.0	1.2	.8	.5							3.9	12.2	12.0
290-310	.3	.7	.8	.2								2.0	8.8	9.0
320-340	.4	.1	.4	.2								1.1	8.6	10.0
VARIABLE														
CALM	////////////////////											33.6	////////	
TOTALS	8.2	17.3	26.2	9.5	4.2	.9	.2	.1				100.0	7.2	10.0
TOTAL NUMBER OF OBSERVATIONS 1177														

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FRM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.8	.8	.1								3.4	6.6	6.0
020-040	.6	1.0	2.8	.7	.6							5.7	11.8	11.0
050-070	.4	1.7	2.9	1.8	.9	.2						7.8	13.1	14.0
(E) 080-100	.5	.6	1.4	.5	.4	.2						3.5	12.0	12.0
110-130		.5	.6	.2	.4							1.6	12.9	10.0
140-160	.1	.2	.3	.1	.2							.8	12.7	12.0
(S) 170-190	.2	1.3	2.2	.8	1.2	.4	.6	.1				6.7	15.7	14.0
200-220	.2	1.6	5.1	2.6	2.8	.2	.3					12.6	14.9	14.0
230-250	1.0	3.4	7.1	2.9	2.8		.3					17.5	12.9	12.0
(W) 260-280	1.5	2.2	5.0	1.4	1.1		.2					11.3	11.6	10.0
290-310	.9	1.2	1.5	.9	.2	.1						4.8	10.6	10.0
320-340	.6	.6	.9	.2	.1							2.3	9.2	10.0
VARIABLE														
CALM	////////////////////////////////////											21.8	////////////////////////////////	
TOTALS	7.7	15.1	30.6	12.2	10.7	1.1	1.4	.1				100.0	9.9	12.0

TOTAL NUMBER OF OBSERVATIONS 1085

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.6	1.2	1.4	.1	.1							3.4	9.1	8.0
020-040	.4	1.5	1.2	1.2	.6							4.9	12.3	12.0
050-070	.3	.9	2.3	1.1	.6	.1						5.3	12.7	12.0
(E) 080-100	.2	.8	1.1	.2	.2							2.4	11.6	10.0
110-130	.6	.3	1.3	.3	.3							2.7	10.6	10.0
140-160	.2	.3	.3	.2								.9	9.4	9.0
(S) 170-190	.4	.5	1.6	1.2	1.0	.5	.2					5.4	15.6	16.0
200-220	.6	.7	3.5	2.0	4.4	.8	.4	.2				12.6	17.3	18.0
230-250	.6	2.6	7.4	4.9	5.7	1.2	.4	.1				23.0	15.8	16.0
(W) 260-280	1.1	3.2	7.4	3.0	2.0	.2						16.8	12.5	12.0
290-310	.9	1.7	2.3	.7								5.5	9.2	10.0
320-340	.4	1.3	.9	.4								3.0	9.6	8.0
VARIABLE		.2	.1									.3	6.7	5.0
CALM	////////////////////////////////////											13.9	////////////////////////////////	
TOTALS	6.3	15.2	30.8	15.3	14.9	2.8	1.0	.3				100.0	11.8	12.0
TOTAL NUMBER OF OBSERVATIONS 1138														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.4	.9	1.2	.3	.3							3.0	9.9	10.0
020-040	.4	.9	2.2	.6	.4							4.5	11.7	12.0
050-070	.1	1.4	1.7	.9	.3							4.4	11.5	10.0
(E) 080-100	.4	.6	1.0	.5	.1							2.7	10.6	10.0
110-130	.4	.4	1.3	.1	.4							2.6	11.4	12.0
140-160	.1	.4	.4	.1								1.0	9.6	9.5
(S) 170-190	.1	.5	2.7	1.3	1.0	.3						5.9	14.9	14.0
200-220	.3	.8	4.0	3.2	3.2	.8	.3					12.5	16.7	16.0
230-250	.8	2.1	8.6	8.1	8.8	1.0	1.3					30.7	16.7	18.0
(W) 260-280	.8	2.8	5.5	3.0	1.4	.1						13.7	12.5	12.0
290-310	.4	1.0	2.1	1.3	.1	.1	.1					5.2	12.5	12.0
320-340	.4	.8	.9	.3								2.3	9.3	9.0
VARIABLE		.3	.1									.4	7.0	6.0
CALM	////////////////////////////////////											11.2	////////	
TOTALS	4.6	12.9	31.7	19.7	16.0	2.3	1.7					100.0	12.7	14.0

TOTAL NUMBER OF OBSERVATIONS 776

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.2	.9	.1	.1							3.0	7.9	8.0
020-040	.7	1.4	2.2	.8	.3							5.5	10.8	10.0
050-070	.4	1.8	2.8	1.3	.7	.2						7.2	12.0	10.0
(E) 080-100	.6	.8	1.2	.4	.2	.0						3.2	10.3	10.0
110-130	.6	.6	.9	.2	.2							2.6	9.7	10.0
140-160	.3	.6	.4	.1	.0							1.5	8.5	8.0
(S) 170-190	.7	1.7	3.0	1.0	1.0	.3	.2	.0				8.0	12.9	12.0
200-220	.5	2.0	5.2	2.4	2.5	.4	.2	.1				13.1	14.4	14.0
230-250	.8	2.4	6.1	3.6	3.5	.5	.4	.0				17.3	14.6	14.0
(W) 260-280	.8	2.0	4.1	1.7	1.1	.1	.0					9.7	12.2	12.0
290-310	.6	1.0	1.4	.6	.1	.0	.0					3.8	10.1	10.0
320-340	.4	.6	.7	.2	.0							1.8	9.3	8.0
VARIABLE		.1	.0									.1	6.8	5.5
CALM	////////////////////											23.1	////////////////	
TOTALS	7.2	16.2	28.9	12.4	9.7	1.5	.8	.1				100.0	9.6	12.0

TOTAL NUMBER OF OBSERVATIONS 4865

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		.3	.9								1.2	11.3	13.0
020-040	3.0	.6	.3	.3							4.2	5.4	4.0
050-070	1.2	1.5	1.2	.3							4.2	8.0	7.0
(E) 080-100	.3	.9	.6								1.8	9.0	8.0
110-130	.9	.3	1.2								2.4	7.3	8.0
140-160	1.8	.3	.3	.3							2.7	6.0	4.0
(S) 170-190	.3	2.7	4.8	1.2	.9						10.0	11.8	10.0
200-220	.3	3.9	11.2	3.3	4.8	.3					23.9	13.8	14.0
230-250	.6	1.8	5.1	1.8	2.1	.3	.3				12.1	14.0	14.0
(W) 260-280	.3	1.8	3.3	.6	.3						6.3	11.0	10.0
290-310	.9	1.8	.6				.3				3.6	8.5	6.0
320-340	.3	.3	.3	.3							1.2	9.5	9.0
VARIABLE													
CALM	////////////////////										26.3	////////	
TOTALS	9.9	16.2	29.8	8.1	8.1	.6	.6				100.0	8.5	10.0

TOTAL NUMBER OF OBSERVATIONS 331

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.4	.5	.1								1.1	9.6	10.0
020-040	1.2	1.0	.5	.1								2.9	6.5	6.0
050-070	1.8	3.5	2.2	.3								7.8	7.9	8.0
(E) 080-100	1.1	1.4	.5	.7								3.7	8.3	6.0
110-130	1.1	1.9	.4									3.4	6.1	6.0
140-160	.7	2.5	.3									3.4	6.8	6.0
(S) 170-190	3.0	7.1	5.7	1.1	.1							17.1	8.4	8.0
200-220	1.5	3.7	7.8	.5	.1							13.6	9.7	10.0
230-250	1.8	2.5	2.5	.3	.5							7.5	8.8	8.0
(W) 260-280	1.0	.5	1.0									2.5	7.8	7.0
290-310			.1									.1	14.0	14.0
320-340		.1										.1	6.0	6.0
VARIABLE														
CALM	////////////////////											36.8	////////	
TOTALS	13.2	24.6	21.5	3.1	.7							100.0	5.3	8.0
TOTAL NUMBER OF OBSERVATIONS 733														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.6	1.3		.1							4.6	6.9	6.0
020-040	1.3	1.9	3.5	.5	.1							7.3	9.4	10.0
050-070	1.1	2.2	2.5	1.0	.3							7.2	10.0	10.0
(E) 080-100	.3	.5	.9	.4	.1	.2						2.4	11.7	10.0
110-130	.3	.4	.3	.1								1.1	7.2	6.0
140-160		.3	.1									.4	8.0	8.0
(S) 170-190	1.5	1.7	3.0	1.1	.6	.1						7.9	10.7	10.0
200-220	1.5	2.4	6.3	2.1	.6	.1						13.0	11.1	10.0
230-250	1.9	3.8	5.8	2.4	.5	.1						14.5	10.7	10.0
(W) 260-280	1.3	1.0	1.8	.6	.1							4.7	9.4	10.0
290-310	.9	.6	.4	.3								2.3	7.9	6.0
320-340	.8	.7	.2									1.7	5.3	5.0
VARIABLE	.3	.3										.5	4.2	4.5
CALM	////////////////////////////////////											32.4	////////////////////////////////	
TOTALS	12.9	17.4	26.1	8.5	2.4	.5						100.0	6.7	10.0

TOTAL NUMBER OF OBSERVATIONS 1186

OPERATING LOCATION "A"
USAFÉTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.4	.6	.3								4.0	7.0	6.0
020-040	.6	.8	1.3	.3								3.0	9.1	10.0
050-070	.3	1.6	2.2	1.3	.5	.1						6.1	12.3	12.0
(E) 080-100	.2	.7	.8	.5	.1							2.3	11.2	11.0
110-130	.4	.6	.5	.2								1.8	8.3	8.0
140-160		.3	.4	.1								.7	10.5	10.0
(S) 170-190	.5	.6	1.1	.7	.4							3.3	11.7	12.0
200-220	.9	2.2	5.0	1.9	2.9	.2	.1					13.2	13.5	12.0
230-250	1.6	4.5	9.5	4.9	2.1	.3						22.8	12.3	12.0
(W) 260-280	2.1	4.0	5.2	1.8	1.6	.1	.1					15.0	11.1	10.0
290-310	.9	1.0	1.2	.1	.1							3.2	7.9	8.0
320-340	.8	.9	.4									2.1	6.7	6.0
VARIABLE	.9	.4										1.3	4.4	4.0
CALM	////////////////////											21.2	////////	
TOTALS	10.9	19.0	28.2	12.1	7.7	.7	.2					100.0	8.9	10.0

TOTAL NUMBER OF OBSERVATIONS 1117

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.0	.9	.2	.1							2.2	9.5	10.0
020-040	.5	.5	1.2	.3								2.6	9.4	10.0
050-070	.3	.4	1.4	.6	.2							2.9	12.0	12.0
(E) 080-100	.3	.4	1.2	.4	.1							2.4	11.1	10.0
110-130	.3	.6	1.4		.1							2.4	9.8	10.0
140-160	.3	.4	.4									1.2	7.8	8.0
(S) 170-190	.4	.5	1.2	.7	.4	.1						3.2	12.5	13.0
200-220	.4	1.0	5.0	4.0	2.1	.4	.1					13.0	14.8	15.0
230-250	.5	3.5	12.5	8.0	7.4	.7	.3					32.9	15.0	14.0
(W) 260-280	1.3	4.5	7.1	3.2	1.5	.2	.1					18.0	11.8	10.0
290-310	1.2	1.6	2.8	.6	.1		.1					6.3	9.6	10.0
320-340	1.0	.4	.8	.2								2.4	8.1	8.0
VARIABLE	.2	.4										.5	5.3	6.0
CALM	////////////////////////////////////											10.0	////////////////////////////////	
TOTALS	6.8	15.2	35.9	18.2	12.0	1.4	.					100.0	11.6	12.0

TOTAL NUMBER OF OBSERVATIONS 1125

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.2	.6	.3		.1						2.5	9.7	8.0
020-040	.3	.3	.9	.3		.1						1.8	10.9	10.0
050-070	.3	.6	1.0	.1	.1							2.2	10.1	10.0
(E) 080-100	.1	.5	.4	.1								1.2	8.2	6.0
110-130	.4	.4	1.4	.1								2.3	9.8	10.0
140-160	.1	.6	.6	.1								1.6	8.8	9.0
(S) 170-190		.3	1.2	1.6	.5							3.5	15.3	16.0
200-220	.5	1.8	4.9	4.9	3.2	.3						15.7	15.0	16.0
230-250	.5	1.9	11.1	12.3	11.8	1.2	.3					39.1	16.5	18.0
(W) 260-280	.4	2.6	7.0	4.1	3.2	.1						17.5	13.7	14.0
290-310	.1	1.2	1.9	.3	.1							3.6	10.3	10.0
320-340	.3	.8	1.0	.3	.3							2.6	10.8	10.0
VARIABLE	.1	.3										.4	5.3	6.0
CALM	////////////////////////////////////											6.2	////////	
TOTALS	3.4	12.5	32.0	24.5	19.2	1.8	.3					100.0	13.5	14.0

TOTAL NUMBER OF OBSERVATIONS 773

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		.9	1.2	.8	.2	.0	.0						3.1	7.9	6.0
020-040		.8	.9	1.7	.3	.0	.0						3.7	9.1	10.0
050-070		.7	1.6	1.9	.7	.3	.0						5.3	10.4	10.0
(E) 080-100		.4	.6	.8	.4	.1	.0						2.4	10.4	10.0
110-130		.5	.7	.8	.1	.0							2.1	8.3	8.0
140-160		.2	.7	.3	.0								1.3	8.0	8.0
(S) 170-190		1.0	1.8	2.2	1.0	.4	.0						6.5	10.5	10.0
200-220		1.0	2.1	5.7	2.7	1.8	.2	.0					13.5	12.9	12.0
230-250		1.3	3.4	8.5	5.5	4.2	.4	.1					23.4	13.9	14.0
(W) 260-280		1.3	2.7	4.5	1.9	1.2	.1	.0					11.7	11.7	10.0
290-310		.7	.9	1.3	.3	.1		.0					3.3	9.1	10.0
320-340		.6	.6	.5	.1	.0							1.8	7.7	7.0
VARIABLE		.3	.3										.6	4.7	4.0
CALM		////////////////////////////////////										21.3	////////////////////////////////		
TOTALS		9.7	17.5	29.0	13.2	8.1	.7	.1					100.0	9.2	10.0

TOTAL NUMBER OF OBSERVATIONS 4934

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.6		.6	.6							1.8	10.7	10.0
020-040		.6	.6								1.2	10.0	10.0
050-070		.6	2.5	.6							3.7	11.0	10.0
(E) 080-100	.6	1.8	.6		.6						3.7	9.0	7.0
110-130	1.8	1.2									3.1	4.8	4.0
140-160		1.8									1.8	7.3	8.0
(S) 170-190	.6	1.8	4.9	3.1	1.2						11.7	12.4	12.0
200-220	1.8	2.5	9.8	4.3	5.5						23.9	13.6	14.0
230-250	.6	4.3	8.6	4.9	5.5						23.9	14.4	14.0
(W) 260-280	.6		1.8	1.8	1.2						5.5	14.9	16.0
290-310			.6			.6					1.2	21.0	18.5
320-340		.6									.6	8.0	8.0
VARIABLE													
CALM	////////////////////										17.8	////////	
TOTALS	6.6	15.2	30.0	15.3	14.0		.6				100.0	10.6	12.0

TOTAL NUMBER OF OBSERVATIONS 163

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.0	.1									1.5	6.9	6.0
020-040	.7	1.2	.7									2.6	6.8	6.0
050-070	1.0	2.9	2.0	.3								6.3	8.1	8.0
(E) 080-100	1.5	1.8	.4									3.6	5.7	6.0
110-130	.6	1.0	.6									2.2	6.8	6.0
140-160	1.6	2.3	.3									4.2	5.6	6.0
(S) 170-190	3.6	7.3	4.5	.1								15.6	7.4	8.0
200-220	1.6	3.2	4.7	.9	.1							10.5	9.2	10.0
230-250	1.3	1.9	1.8	.3								5.3	8.2	7.0
(W) 260-280	.4	.3	.7	.3								1.8	9.3	10.0
290-310	.3		.1									.4	6.7	4.0
320-340	.3											.3	4.0	4.0
VARIABLE	.1	.1										.3	3.5	3.5
CALM	////////////////////////////////////											45.4	////////////////////////////////	
TOTALS	13.3	23.0	15.9	1.9	.1							100.0	4.2	8.0

TOTAL NUMBER OF OBSERVATIONS 685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.3	.6	.1	.1							5.4	6.3	6.0
020-040	.9	2.4	3.0	.4								6.6	9.2	10.0
050-070	.6	3.4	3.3	.5	.1							8.0	9.3	8.5
(E) 080-100	.8	.8	.6	.1								2.4	7.2	8.0
110-130	.1		.4									.5	8.4	10.0
140-160	.3	.3	.3		.1							.9	9.6	8.0
(S) 170-190	1.8	1.5	2.8	.3	.1							6.5	8.5	8.5
200-220	1.6	3.3	6.7	1.9	.3							13.8	10.4	10.0
230-250	1.7	4.3	5.4	.9	.2	.1						12.5	9.6	10.0
(W) 260-280	.9	2.4	1.8	.2								5.3	8.1	8.0
290-310	.8	1.2	.5									2.5	6.6	6.0
320-340	1.5	1.0	.2	.2	.1							2.9	6.4	4.5
VARIABLE	.1	.2										.3	4.7	5.0
CALM	////////////////////////////////////											32.4	////////////////////////////////	
TOTALS	13.5	23.1	25.6	4.6	1.0	.1						100.0	6.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1102

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB. SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.3	1.8									5.1	7.6	8.0
020-040	.8	1.2	1.6	.3	.1							3.9	9.0	9.0
050-070	.5	.9	1.5		.5							3.3	10.0	10.0
(E) 080-100	.4	.9	1.6	.4								3.3	10.2	12.0
110-130	.5	.6	.5	.4	.2							2.2	10.4	9.0
140-160	.1	.2	.1									.4	6.5	7.0
(S) 170-190	.6	.7	1.3	.1								2.7	8.8	10.0
200-220	.6	2.1	4.5	2.4	.5	.1						10.1	12.3	12.0
230-250	1.5	5.4	10.9	5.2	1.2	.1						24.3	11.8	12.0
(W) 260-280	1.7	6.3	7.1	1.3	.4							16.7	9.5	10.0
290-310	1.3	1.9	1.9	.1								5.1	7.8	7.0
320-340	1.5	2.3	.8	.1								4.6	6.6	6.0
VARIABLE	.2		.1	.1								.4	9.0	7.0
CALM	////////////////////////////////////											17.7	////////	
TOTALS	10.8	24.8	33.7	10.4	2.9	.2						100.0	8.4	10.0

TOTAL NUMBER OF OBSERVATIONS 1015

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.1	1.0	.1								2.6	8.4	8.0
020-040	.2	1.6	.8									2.7	8.0	8.0
050-070	.6	.5	1.0	.5	.3							3.0	10.8	10.0
(E) 080-100		.1	.7	.5	.1							1.4	13.3	13.0
110-130		.5	.8	.5	.1							1.9	12.3	12.0
140-160	.1	.4	.1									.6	7.8	8.0
(S) 170-190	.1	.9	1.3	.1								2.5	9.8	10.0
200-220	.5	1.9	3.6	3.1	1.1	.4						10.6	13.4	14.0
230-250	.8	4.4	12.6	9.8	5.6	.8	.1					34.1	14.5	14.0
(W) 260-280	1.4	4.7	9.8	5.3	1.2							22.5	12.1	12.0
290-310	1.7	1.4	3.2	.5								6.8	8.9	10.0
320-340	.4	.9	1.3									2.7	8.7	9.5
VARIABLE	.1	.4	.1									.6	6.0	5.5
CALM	////////////////////////////////////											8.1	////////////////////////////////	
TOTALS	6.2	18.8	36.3	20.4	8.4	1.2	.					100.0	11.4	12.0
TOTAL NUMBER OF OBSERVATIONS 979														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6	.1									1.2	5.5	6.0
020-040	.3	.4	.1									.9	6.3	6.0
050-070	.9	.1	.6									1.6	6.9	4.0
(E) 080-100	.6	.6	1.5	.1	.1							2.9	9.6	10.0
110-130	.1	.4	1.2	.1								1.9	10.0	10.0
140-160			.7									.7	10.8	10.0
(S) 170-190			1.2	.4								1.6	13.3	14.0
200-220	.4	.9	2.9	3.2	3.2	.1	.1					11.1	15.8	16.0
230-250	.1	2.1	11.7	18.3	11.4	.6	.3					44.4	16.5	16.0
(W) 260-280	.3	3.8	9.9	7.7	1.8	.1						23.6	13.6	14.0
290-310	.3	1.3	1.2	.6	.1							3.5	10.3	10.0
320-340	.1	.4	.1	.3								1.0	10.0	8.0
VARIABLE	.3											.3	4.0	4.0
CALM	////////////////////////////////////											5.2	////////	
TOTALS	3.8	10.6	31.2	30.7	16.6	.8	.4					100.0	13.8	15.0

TOTAL NUMBER OF OBSERVATIONS 678

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.6	.8	.0	.0							3.5	7.1	6.0
020-040	.6	1.5	1.4	.2	.0							3.7	8.6	8.0
050-070	.7	1.6	1.8	.3	.2							4.6	9.3	8.0
(E) 080-100	.6	.8	1.0	.2	.0							2.6	8.9	8.0
110-130	.2	.5	.7	.2	.1							1.7	9.9	10.0
140-160	.4	.6	.3		.0							1.2	7.1	6.0
(S) 170-190	1.2	1.9	2.2	.2	.0							5.4	8.4	8.0
200-220	1.0	2.3	4.6	2.3	.9	.1	.0					11.3	12.0	12.0
230-250	1.2	3.9	8.6	6.4	3.3	.3	.1					23.7	13.6	14.0
(W) 260-280	1.0	3.7	5.8	2.7	.	.0						13.9	11.3	12.0
290-310	1.0	1.2	1.5	.2	.0							3.9	8.3	8.0
320-340	.9	1.0	.5	.1	.0							2.6	7.2	6.0
VARIABLE	.2	.2	.0	.0								.4	5.9	5.0
CALM	////////////////////////////////////											21.6	////////	
TOTALS	10.0	20.8	29.2	12.8	5.1	.4	.1					100.0	8.6	10.0
TOTAL NUMBER OF OBSERVATIONS 4459														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND

(N) 350-010														
020-040														
050-070			.6									.6	10.0	10.0

(E) 080-100														
110-130	.6											.6	2.0	2.0
140-160	.6	1.1	.6									2.3	7.0	7.0

(S) 170-190	2.9	4.0	6.9	.6								14.3	9.0	10.0
200-220	1.1	5.7	14.9	4.6								26.3	10.9	10.0
230-250	2.3	4.0	9.1	2.3	1.1	.6						19.4	11.9	12.0

(W) 260-280	1.1	1.7	4.0	.6								7.4	10.1	10.0
290-310			1.1									1.1	10.0	10.0
320-340	1.1	1.1										2.3	5.0	5.0

VARIABLE														
CALM	////////////////////////////////////											25.7	////////////////////////////////	
TOTALS	9.7	17.6	37.2	8.1	1.1	.6						100.0	7.7	10.0

TOTAL NUMBER OF OBSERVATIONS 175

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.7										2.2	4.6	4.0
020-040	.7	2.2	1.2									4.1	7.6	8.0
050-070	1.9	3.0	1.4	.3								6.6	6.8	6.0
(E) 080-100	2.8	1.1	.6									4.4	5.1	4.0
110-130	1.9	2.2	.3									4.4	5.8	6.0
140-160	1.9	1.5	.3									3.7	5.2	4.0
(S) 170-190	2.8	4.4	4.4	.8								12.4	8.1	8.0
200-220	.8	4.1	5.9	.4	.1							11.4	9.5	10.0
230-250	.8	1.5	1.5	.1								4.0	8.1	6.0
(W) 260-280	.3	.1	.1									.6	5.5	5.0
290-310	.1	.1	.1									.4	8.0	8.0
320-340	.1	.3	.1									.6	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											45.3	////////	
TOTALS	15.6	21.2	15.9	1.6	.1							100.0	4.0	6.0
TOTAL NUMBER OF OBSERVATIONS 727														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.7	2.3	1.4	.1								6.5	6.4	6.0
020-040	1.5	2.7	2.7	.1	.2							7.3	7.9	8.0
050-070	.8	3.6	3.7	.3	.2							8.5	9.1	8.5
(E) 080-100	.8	.8	1.0	.5								3.1	8.9	9.0
110-130	.2	.3										.4	5.2	6.0
140-160		.1	.3									.3	10.0	10.0
(S) 170-190	1.9	1.9	1.6	.4								5.8	7.7	6.0
200-220	1.9	3.4	5.4	1.7	.3							12.6	9.9	10.0
230-250	1.3	2.7	4.3	1.1	.1							9.5	9.7	10.
(W) 260-280	1.6	2.6	1.5	.2								5.8	7.2	6.0
290-310	.6	1.0	.3									2.0	6.3	6.0
320-340	1.2	.7	.3									2.2	5.5	4.0
VARIABLE	.2	.2	.1									.4	5.4	5.0
CALM	////////////////////////////////////											35.5	////////////////////////////////	
TOTALS	14.7	22.3	22.6	4.4	.8							100.0	5.4	8.0

TOTAL NUMBER OF OBSERVATIONS 1171

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.1	1.5	.1								4.9	7.6	7.0
020-040	.9	.8	1.3	.4								3.5	8.9	8.0
050-070	.4	1.8	1.2	.4	.4							4.1	9.9	8.0
(E) 080-100	.4	.2	1.1	.4	.3							2.3	12.2	14.0
110-130	.3	.2	.6									1.0	8.7	10.0
140-160		.2	.1	.1								.4	10.0	8.0
(S) 170-190	.5	1.5	.7	.3								3.0	8.2	7.0
200-220	.8	1.6	4.5	2.7	.5							10.1	11.8	12.0
230-250	1.6	4.6	9.2	3.5	.7	.2						19.9	11.2	10.0
(W) 260-280	1.5	5.8	6.9	.6	.4							15.1	9.2	10.0
290-310	1.8	3.1	1.3	.3								6.4	6.9	6.0
320-340	1.8	2.0	.6	.1								4.4	6.1	6.0
VARIABLE	.4	.3	.1									.7	5.0	4.5
CALM	////////////////////											24.1	////////////////	
TOTALS	11.6	24.2	29.1	8.9	2.3	.2						100.0	7.3	10.0

TOTAL NUMBER OF OBSERVATIONS 1071

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.1	1.6									2.8	9.1	10.0
020-040	.3	.4	1.2	.4								2.2	10.5	10.0
050-070	.2	.3	1.6	.6								2.6	11.3	10.0
(E) 080-100	.4	.5	1.6	.6	.2							3.2	11.6	12.0
110-130	.4	.2	.5	.1	.1							1.2	9.5	10.0
140-160		.2	.3	.1								.6	10.0	10.0
(S) 170-190	.4	.6	.8	.4	.1							2.2	10.1	10.0
200-220	.5	.7	3.3	2.4	1.6	.2	.1					8.7	14.6	14.0
230-250	.6	3.5	12.1	7.7	3.6	.2						27.8	13.5	14.0
(W) 260-280	1.0	5.4	14.3	6.6	.7	.1						28.2	12.0	12.0
290-310	1.1	3.1	2.9	.5	.2							7.7	9.2	8.0
320-340	.4	1.7	1.2									3.2	7.9	8.0
VARIABLE	.3	.4	.1									.7	5.6	5.5
CALM	////////////////////////////////////											8.9	////////	
TOTALS	5.7	18.1	41.5	19.4	6.5	.5	.1					100.0	11.0	12.0

TOTAL NUMBER OF OBSERVATIONS 1087

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.4	.9	.1								1.6	10.8	11.0
020-040	.1	.1	1.2	.1								1.6	9.8	10.0
050-070	.1	.4	.9	.1	.1							1.7	10.9	10.0
(E) 080-100		.4	1.0		.1							1.6	11.0	10.0
110-130	.1	.3	.5	.9								1.8	13.1	14.5
140-160	.1	.3	.3	.1								.8	9.0	9.0
(S) 170-190		.1	.5	.3								.9	12.3	12.0
200-220		.5	2.2	2.8	2.0	.1						7.6	15.9	16.0
230-250	.7	1.6	12.6	18.1	.5	.4						41.9	15.9	16.0
(W) 260-280	1.3	2.9	14.2	8.8	3.0							30.2	13.5	14.0
290-310	.1	1.4	3.3	.4								5.2	10.7	10.0
320-340	.1	1.0	.3	.1	.3							1.8	9.3	6.0
VARIABLE														
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	2.7	9.4	37.9	31.8	14.0	.5						100.0	13.8	14.0

TOTAL NUMBER OF OBSERVATIONS 762

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.5	1.2	.1								3.9	7.3	6.0
020-040	.8	1.3	1.6	.2	.0							3.9	8.5	8.0
050-070	.6	1.8	1.9	.4	.1							4.8	9.1	8.0
(E) 080-100	.8	.6	1.1	.4	.1							2.9	9.5	10.0
110-130	.5	.5	.4	.2	.0							1.6	8.2	6.0
140-160	.3	.4	.2	.1								1.0	7.1	6.0
(S) 170-190	1.1	1.6	1.5	.4	.0							4.6	8.3	8.0
200-220	.9	2.1	4.3	2.1	.9	.1	.0					10.2	11.9	12.0
230-250	1.0	2.9	8.1	5.7	2.3	.1						2.2	13.2	14.0
(W) 260-280	1.2	3.6	7.4	3.1	.7	.0						16.0	11.4	12.0
290-310	.8	1.9	1.6	.2	.0							4.5	8.4	8.0
320-340	.8	1.2	.5	.0	.0							2.6	6.9	6.0
VARIABLE	.2	.2	.1									.4	5.3	5.0
CALM	////////////////////											23.3	////////	
TOTALS	10.2	19.6	29.9	12.9	4.1	.2						100.0	8.2	10.0

TOTAL NUMBER OF OBSERVATIONS 4818

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5											1.5	3.0	3.0
020-040		.8	1.5									2.3	10.7	12.0
050-070		1.5	1.5									3.0	9.0	9.0
(E) 080-100		.8										.8	6.0	6.0
110-130	.8											.8	4.0	4.0
140-160	1.5		2.3									3.8	7.0	10.0
(S) 170-190	1.5	1.5	2.3	.8								6.0	9.0	8.0
200-220	3.8	6.0	10.5	6.8								27.1	10.6	10.0
230-250	2.3	2.3	8.3		.8							13.5	10.3	11.0
(W) 260-280		3.8	1.5		.8							6.0	9.1	7.0
290-310	.8											.8	4.0	4.0
320-340	1.5											1.5	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											33.1	////////	
TOTALS	13.7	16.7	27.9	7.6	1.6							100.0	6.3	10.0

TOTAL NUMBER OF OBSERVATIONS 133

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.9										2.1	4.9	4.0
020-040	1.2	2.2	.8			.1						4.3	7.1	6.0
050-070	2.2	2.3	1.7		.1							6.3	7.3	6.0
(E) 080-100	2.4	1.9	.4	.1								4.9	5.8	4.5
110-130	3.0	2.3										5.3	5.0	4.0
140-160	1.5	1.3	.3									3.1	5.3	4.5
(S) 170-190	3.1	4.9	4.3	.1								12.4	7.5	8.0
200-220	1.7	4.8	3.5	.1	.1							10.2	7.9	8.0
230-250	1.2	1.2	.6									3.0	6.3	5.0
(W) 260-280	.4	1.2	.3									1.8	5.9	6.0
290-310	.9	.4										1.3	4.2	4.0
320-340		.3										.3	5.5	5.5
VARIABLE		.3										.3	7.0	7.0
CALM	////////////////////////////////////											45.0	////////////////////////////////	
TOTALS	18.8	24.0	11.9	.3	.2	.1						100.0	3.7	6.0

TOTAL NUMBER OF OBSERVATIONS 776

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.0	1.4									7.3	5.7	4.0
020-040	1.6	2.8	3.0	.3	.1							7.8	8.5	8.0
050-070	1.8	2.3	2.6	.3	.3	.3	.1					7.7	9.6	8.0
(E) 080-100	.8	.3	.3	.3	.2							1.9	8.6	6.0
110-130	.3	.3	.2	.1								.8	7.6	6.0
140-160	.3	.3	.2									.8	6.7	6.0
(S) 170-190	1.3	2.2	1.8	.2								5.5	8.0	6.0
200-220	1.3	3.0	5.6	1.7	.5							12.1	10.4	10.0
230-250	2.3	3.5	2.9	.3	.3							9.2	7.9	6.0
(W) 260-280	1.2	1.2	.8	.2								3.3	6.9	6.0
290-310	.9	.8	.3									2.0	6.1	5.5
320-340	1.4	.8	.3	.1								2.6	5.6	4.0
VARIABLE	.3	.3										.7	4.9	4.5
CALM	////////////////////////////////////											38.4	////////////////////////////////	
TOTALS	17.4	19.8	19.4	3.5	1.4	.3	.1					100.0	5.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1192

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.2	2.0	.2								6.5	7.3	6.0
020-040	.8	1.5	1.8	.3	.1							4.4	9.1	8.0
050-070	.4	.5	1.5	.6	.2	.2						3.5	12.2	12.0
(E) 080-100	.3	.5	.9	.2	.1							2.0	10.0	11.0
110-130	.4	.3	.5	.1								1.2	7.9	8.0
140-160			.3									.3	10.7	10.0
(S) 170-190		1.3	.9	.2	.3							2.7	10.0	9.0
200-220	1.5	2.0	4.5	2.0	.6							10.7	11.3	12.0
230-250	1.6	5.7	10.2	2.3	.8							20.6	10.5	10.0
(W) 260-280	2.4	4.1	6.0	1.1	.3	.1						14.0	9.3	10.0
290-310	2.0	2.2	1.0									5.2	6.5	6.0
320-340	1.6	1.2	.6									3.5	5.9	6.0
VARIABLE	1.1	.3										1.3	4.0	4.0
CALM	////////////////////////////////////											24.2	////////////////////////////////	
TOTALS	14.1	21.8	30.2	7.0	2.4	.3						100.0	7.1	10.0

TOTAL NUMBER OF OBSERVATIONS 1125

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.1	1.5	.2	.1							3.4	8.9	9.0
020-040	.5	.4	.9	.3	.1							2.3	9.9	10.0
050-070	.1	.4	.9	.3	.1							1.9	11.4	10.0
(E) 080-100	.2	.5	1.5	.3								2.5	10.9	12.0
110-130	.1	.3	.3									.8	8.4	8.0
140-160		.3	.3	.2	.1							.9	12.0	11.0
(S) 170-190	.3	.5	.5	.4	.2	.1						2.1	11.6	10.0
200-220	.8	2.0	3.7	.8	1.0							8.3	11.4	10.0
230-250	.9	2.7	13.4	8.4	3.4	.1						28.9	13.7	14.0
(W) 260-280	1.1	4.2	12.5	5.8	1.6	.2						25.3	12.3	12.0
290-310	1.2	3.6	3.4	.8	.1							9.1	8.9	8.0
320-340	.5	1.0	1.2	.1								2.8	8.1	8.0
VARIABLE	.3	.5										.9	4.8	5.0
CALM	////////////////////											10.9	////////////////	
TOTALS	6.6	17.5	40.1	17.6	6.7	.4						100.0	10.5	12.0
TOTAL NUMBER OF OBSERVATIONS 1161														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.4	.9									1.6	9.0	10.0
020-040	.1	.2	.5									.9	9.6	10.0
050-070	.1	.7	1.0									1.8	9.3	10.0
(E) 080-100	.5	.1	.7	.1								1.5	9.3	11.0
110-130		.5	1.2	.1								1.8	10.9	10.0
140-160		.2	.2	.1								.6	10.8	10.0
(S) 170-190	.1	.1	.1	.5	.1							1.0	13.0	16.0
200-220	.1	.7	1.0	2.3	2.0							6.1	15.9	16.0
230-250	.9	2.1	14.2	17.3	7.2	.4						42.0	15.1	16.0
(W) 260-280	1.2	3.4	14.6	10.4	1.6	.1						31.4	13.2	14.0
290-310	.1	2.0	2.5	.7								5.3	10.3	10.0
320-340	.5	1.1	.4	.1	.2							2.3	9.1	8.0
VARIABLE		.4										.4	6.3	6.0
CALM	////////////////////////////////////											3.3	//////////	
TOTALS	4.0	11.9	37.3	31.6	11.1	.5						100.0	13.2	14.0

TOTAL NUMBER OF OBSERVATIONS 816

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.7	1.4	1.3	.1	.0							4.5	6.9	6.0
020-040	.9	1.5	1.5	.2	.1	.0						4.1	8.6	8.0
050-070	.9	1.2	1.6	.3	.2	.1	.0					4.3	9.7	10.0
(E) 080-100	.7	.6	.8	.2	.1							2.4	8.6	8.0
110-130	.6	.6	.4	.1								1.7	7.1	6.0
140-160	.3	.4	.3	.1	.0							1.0	7.7	6.0
(S) 170-190	.9	1.7	1.4	.3	.1	.0						4.4	8.6	8.0
200-220	1.1	2.4	3.9	1.4	.8							9.6	11.0	10.0
230-250	1.4	3.2	8.4	5.3	2.2	.1						20.6	12.7	12.0
(W) 260-280	1.3	2.9	6.8	3.3	.7	.1						15.0	11.6	12.0
290-310	1.1	1.9	1.5	.3	.0							4.8	8.1	8.0
320-340	.9	.9	.5	.1	.0							2.4	6.9	6.0
VARIABLE	.4	.4										.7	4.7	4.0
CALM	////////////////////////////////////											24.3	////////	
TOTALS	12.2	19.1	28.4	11.7	4.2	.3						100.0	7.9	10.0
TOTAL NUMBER OF OBSERVATIONS 5070														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	4.7										8.5	5.1	6.0
020-040	1.9	.9										2.8	5.3	4.0
050-070	1.9											1.9	4.0	4.0
(E) 080-100	1.9											1.9	4.0	4.0
110-130	.9	.9										1.9	5.0	5.0
140-160	1.9											1.9	4.0	4.0
(S) 170-190	4.7	.9	2.8	1.9								10.4	8.4	6.0
200-220	1.9	1.9	9.4		1.9							15.1	11.6	12.0
230-250	2.8	5.7	5.7	.9								15.1	8.9	8.0
(W) 260-280	3.8			.9	.9							5.7	8.0	4.0
290-310	2.8											2.8	3.3	4.0
320-340		1.9										1.9	7.0	7.0
VARIABLE														
CALM	////////////////////											30.2	////////	
TOTALS	28.3	16.9	17.9	3.7	2.8							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 106

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2	.5									1.1	7.3	6.0
020-040	1.7	2.0	1.5	.2								5.4	7.2	6.0
050-070	2.8	5.2	3.1	.3	.2							11.5	7.6	6.0
(E) 080-100	3.1	2.0	.8									5.8	5.8	4.0
110-130	4.0	2.8	.6									7.4	5.3	4.0
140-160	1.4	1.2	.5									3.1	5.8	6.0
(S) 170-190	4.1	3.5	2.5	.3	.2							10.6	6.9	6.0
200-220	1.2	2.1	3.2	.6								7.2	9.0	10.0
230-250	.6	1.8	1.1									3.5	7.4	7.0
(W) 260-280	.3	.3	.2									.8	6.8	8.0
290-310	.2			.2								.3	10.0	10.0
320-340	.5	.3										.8	4.4	4.0
VARIABLE														
CALM	////////////////////											42.7	////////	
TOTALS	20.4	21.4	14.0	1.6	.4							100.0	4.0	6.0
TOTAL NUMBER OF OBSERVATIONS 653														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.2	.6									4.4	6.0	6.0
020-040	1.3	2.2	2.9	.6	.5							7.5	10.1	10.0
050-070	1.7	3.3	3.3	.6	.4		.1					9.2	9.3	8.0
(E) 080-100	1.3	2.0	1.3	.5								5.0	7.9	6.0
110-130	1.1	.4	.3	.1		.1						2.0	6.9	4.0
140-160	.3	.5		.1								.8	6.9	6.0
(S) 170-190	1.8	1.0	1.9	.6	.3	.1						5.6	9.2	9.0
200-220	1.1	2.3	4.4	.7	.4							8.9	10.0	10.0
230-250	1.1	1.8	2.1	.5								5.4	8.6	8.0
(W) 260-280	.8	.7	.8	.1	.1							2.6	8.1	8.0
290-310	.8	.7	.2									1.7	5.4	4.5
320-340	.7		.5	.1								1.3	6.9	4.0
VARIABLE	.3	.2										.5	3.6	3.0
CALM	////////////////////////////////////											45.2	////////////////////////////////	
TOTALS	13.9	17.3	18.3	3.9	1.7	.2	.1					100.0	4.7	8.0

TOTAL NUMBER OF OBSERVATIONS 1073

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	2.7	1.1	.1								5.3	7.2	8.0
020-040	1.2	2.3	2.4	1.0	.5	.1	.1					7.6	10.8	10.0
050-070	.9	1.7	2.1	.6	.3	.1						5.7	10.2	10.0
(E) 080-100	1.1	.5	1.0	.6	.1							3.3	8.8	10.0
110-130	.3	.5	.4	.4	.2							1.8	11.2	10.0
140-160	.1	.5	.1	.2	.2							1.1	11.1	6.0
(S) 170-190	.4	1.2	1.0	.2	.1	.1						3.0	9.6	8.0
200-220	.6	1.8	3.9	.9	.7	.1						8.0	11.6	10.0
230-250	1.4	4.0	6.2	2.3	.4		.1					14.4	10.6	10.0
(W) 260-280	1.8	3.5	4.3	.9	.1							10.6	9.2	9.0
290-310	1.5	2.9	1.0									5.4	6.8	6.0
320-340	1.7	1.7	.4	.1								3.9	6.1	6.0
VARIABLE	.6	.3	.1									1.0	4.7	4.0
CALM	////////////////////////////////////											28.8	////////////////////////////////	
TOTALS	13.0	23.6	24.0	7.3	2.6	.4	.2					100.0	6.8	8.0

TOTAL NUMBER OF OBSERVATIONS 999

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	2.0		.1							4.0	8.9	10.0
020-040	.6	1.6	1.4	.7	.3	.1						4.7	10.4	10.0
050-070	.5	1.2	2.8	.9	.3							5.6	10.9	10.0
(E) 080-100	.5	.9	1.7	.8	.1							3.9	10.6	10.0
110-130	.3	.6	1.9	.8	.3							3.8	11.8	12.0
140-160	.3	.5	.1		.1							1.0	7.5	6.0
(S) 170-190	.7	.6	1.0	.5	.3							3.0	10.5	10.0
200-220	1.4	1.0	3.0	1.0	1.0		.1					7.5	11.5	10.0
230-250	1.0	4.4	8.1	5.8	1.6		.1					20.9	12.6	12.0
(W) 260-280	1.6	5.1	8.2	3.5	1.2							19.7	11.1	10.0
290-310	.9	2.1	2.6	.3	.1							5.9	8.8	9.0
320-340	1.3	2.0	1.4	.2								4.9	7.5	7.0
VARIABLE	.4	.1	.1									.6	5.5	4.0
CALM	////////////////////////////////////											14.5	////////	
TOTALS	10.2	21.3	34.3	14.5	5.4	.1	.2					100.0	9.3	10.0

TOTAL NUMBER OF OBSERVATIONS 1052

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.0	.8	.3								2.9	8.0	8.0
020-040	.5	1.0	1.2	.8	.4							4.0	11.4	10.0
050-070	.3	.7	1.9	.5								3.4	10.6	10.0
(E) 080-100	.5	.5	2.2	.5								3.8	10.4	10.0
110-130		1.0	1.4	1.2	.1							3.7	12.4	12.0
140-160			.4	.3	.1							.8	14.7	14.0
(S) 170-190		.4	1.1	.4	.3							2.2	12.9	12.0
200-220		.7	2.6	1.9	1.4	.1						6.7	14.8	15.0
230-250	.8	2.9	11.4	10.0	6.3	.1						31.5	14.7	16.0
(W) 260-280	1.2	4.8	12.9	6.0	1.0	.1						26.0	12.1	12.0
290-310	.7	1.5	2.2	.3								4.7	9.2	10.0
320-340	.4	1.2	.7	.5								2.9	9.3	8.0
VARIABLE	.1											.1	8.0	8.0
CALM	////////////////////////////////////											7.4	////////////////////////////////	
TOTALS	5.2	15.8	38.8	22.7	9.6	.3						100.0	11.8	12.0

TOTAL NUMBER OF OBSERVATIONS 731

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.6	1.0	.1	.0							3.8	7.4	7.0
020-040	1.0	1.9	2.0	.7	.4	.0	.0					6.0	10.1	10.0
050-070	1.2	2.3	2.6	.6	.2	.0	.0					7.0	9.5	10.0
(E) 080-100	1.2	1.2	1.4	.5	.0							4.3	8.6	8.0
110-130	1.0	.9	.9	.5	.1	.0						3.4	9.1	8.0
140-160	.4	.5	.2	.1	.1							1.2	8.3	6.0
(S) 170-190	1.3	1.2	1.4	.4	.2	.0						4.6	9.0	8.0
200-220	.9	1.6	3.5	1.0	.7	.0	.0					7.8	11.2	10.0
230-250	1.0	3.1	5.7	3.6	1.5	.0	.0					15.0	12.4	12.0
(W) 260-280	1.2	3.0	5.2	2.0	.5	.0						11.9	10.9	10.0
290-310	.9	1.5	1.2	.1	.0							3.8	7.9	8.0
320-340	1.0	1.1	.6	.2								2.9	7.2	6.0
VARIABLE	.3	.2	.0									.5	4.8	4.0
CALM	////////////////////											27.9	////////////////	
TOTALS	12.4	20.1	25.7	9.8	3.7							100.0	7.3	10.6

TOTAL NUMBER OF OBSERVATIONS 4508

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		.5	1.5								2.9	10.0	10.0
020-040		4.4									4.4	8.0	8.0
050-070	4.4	2.9	1.5								8.8	6.3	6.0
(E) 080-100	1.5	2.9	1.5								5.9	6.0	6.0
110-130	1.5	1.5	1.5								4.4	8.0	8.0
140-160	1.5										1.5	3.0	3.0
(S) 170-190	1.5	5.9	1.5	1.5							10.3	8.6	8.0
200-220		8.8	4.4	1.5	1.5						16.2	10.5	8.0
230-250		2.9	4.4	2.9							10.3	12.1	14.0
(W) 260-280		1.5	2.9	2.9							7.4	13.2	14.0
290-310		1.5									1.5	8.0	8.0
320-340			1.5								1.5	10.0	10.0
VARIABLE													
CALM	////////////////////										25.0	////////	
TOTALS	10.4	33.8	20.7	8.8	1.5						100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 68

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.7	.3	.2								1.7	7.6	7.0
020-040	1.7	4.2	1.4	.7								8.0	8.0	8.0
050-070	1.9	4.1	3.1	.3								9.3	7.8	8.0
(E) 080-100	1.9	2.9	1.4									6.1	6.5	6.0
110-130	2.0	3.6	.8		.2							6.6	6.7	6.0
140-160	2.0	1.9	2.0									5.9	6.7	6.0
(S) 170-190	1.4	3.2	3.1	.3								8.0	8.2	8.0
200-220	1.4	2.0	3.7	1.0			.5					8.7	10.4	10.0
230-250	.8	1.7	1.7	.7	.2		.2					5.3	10.3	10.0
(W) 260-280	.2	.2	.2		.2							.7	11.0	10.0
290-310														
320-340	.3	.2										.5	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											39.2	////////////////////////////////	
TOTALS	14.1	24.7	17.7	3.2	.6		.7					100.0	4.9	8.0

TOTAL NUMBER OF OBSERVATIONS 589

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.8	.7	.1								4.3	6.4	6.0
020-040	1.3	3.5	4.1	.6	.1							9.6	9.0	9.0
050-070	2.0	3.3	3.2	1.2	.2							9.9	9.0	8.0
(E) 080-100	1.8	1.3	1.9	.1	.1		.1					5.3	7.9	6.0
110-130	1.8	1.0	.5	.2	.2							3.7	7.1	5.0
140-160	1.2	.9	.3	.2	.1							2.7	6.7	5.5
(S) 170-190	1.1	1.9	2.7	.7	.4							6.8	10.3	10.0
200-220	.7	1.8	3.1	.5	.6	.2	.3		.1			7.3	12.2	10.0
230-250	1.1	1.4	2.4	.9	.1	.1						6.0	10.3	10.0
(W) 260-280	.3	.4	.6	.1	.4		.1					1.9	13.0	12.0
290-310	.2	.5	.3		.1							1.1	8.3	6.0
320-340	.5	.7	.2	.1								1.5	6.2	6.0
VARIABLE	.1											.1	3.0	3.0
CALM	////////////////////////////////////											40.1	////////////////////////////////	
TOTALS	13.8	18.5	20.0	4.7	2.3	.3	.5		.1			100.0	5.5	8.0

TOTAL NUMBER OF OBSERVATIONS 1123

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.7	1.8	.2								8.2	6.8	6.0
020-040	1.3	2.0	4.7	.7	.2							8.9	9.9	10.0
050-070	.6	1.9	2.5	1.0	.4							6.3	10.5	10.0
(E) 080-100	.3	1.1	1.8	.2	.1							3.4	9.9	10.0
110-130	.4	.4	1.5	.4	.3							3.0	11.3	10.0
140-160	.1	.4	.8	.4	.1							1.9	12.0	12.0
(S) 170-190	.4	.4	1.2	1.0	1.2							4.3	14.3	16.0
200-220	.8	1.4	2.7	.8	1.1	.2						7.0	12.0	12.0
230-250	2.0	3.2	4.6	1.5	1.7							12.9	11.1	10.0
(W) 260-280	1.6	3.3	3.6	.8	.4	.2						9.9	9.8	10.0
290-310	1.0	1.7	.8	.2								3.6	7.1	6.0
320-340	2.5	1.3	.3	.1								4.2	5.3	4.0
VARIABLE	.3	.1										.4	3.5	3.5
CALM	////////////////////////////////////											26.0	////////////////////////////////	
TOTALS	13.9	20.9	26.3	7.3	5.5	.4						100.0	7.4	10.0
TOTAL NUMBER OF OBSERVATIONS 1128														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.0	1.2	.5	.1							5.0	8.1	8.0
020-040	.6	1.9	3.9	.7	.6							7.7	10.9	10.0
050-070	.6	1.3	2.3	.8	.1							5.1	10.3	10.0
(E) 080-100	.3	.9	1.2	.5								2.8	10.3	10.0
110-130	.4	.7	1.8	.7	.3							3.8	11.5	10.0
140-160	.1	.7	.4		.2							1.4	9.6	8.0
(S) 170-190	.3	.5	1.3	.8	1.2	.2						4.2	14.5	16.0
200-220	.5	1.8	2.3	1.9	1.9		.1					8.6	13.9	14.0
230-250	.5	3.3	6.3	3.3	2.4	.6						16.4	13.4	12.0
(W) 260-280	2.6	3.8	4.6	1.8	1.3	.2						14.2	10.5	10.0
290-310	1.8	2.8	2.0	.6	.3	.1						7.7	8.7	8.0
320-340	2.4	1.7	1.1		.1							5.3	6.4	5.5
VARIABLE	.5	.2		.1								.8	6.1	4.0
CALM	////////////////////											17.2	////////////////	
TOTALS	11.8	21.6	28.4	11.7	8.5	1.1	.1					100.0	9.1	10.0

TOTAL NUMBER OF OBSERVATIONS 1028

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.5	2.2	.1	.1							4.8	8.8	10.0
020-040	.3	2.1	2.1	.7								5.1	9.7	10.0
050-070	.3	1.8	1.8	.6								4.4	9.3	10.0
(E) 080-100	.8	1.0	1.2	.3								3.3	8.3	7.5
110-130		1.0	2.2	1.5	.1							4.8	12.8	13.0
140-160	.3	.4	.3									1.0	7.4	8.0
(S) 170-190	.1	.8	2.2	.6	.8							4.6	12.4	12.0
200-220	.6	1.4	5.5	2.5	1.5		.3					11.8	13.4	14.0
230-250	1.2	3.7	7.2	5.8	2.2	.1	.1					20.5	13.0	14.0
(W) 260-280	1.5	4.3	6.1	1.4	1.2							14.5	10.7	10.0
290-310	1.2	3.3	2.4	.4								7.3	8.3	8.0
320-340	.4	1.4	.6		.4							2.8	9.4	8.0
VARIABLE	.1											.1	2.0	2.0
CALM	////////////////////////////////////											14.9	////////	
TOTALS	7.6	22.7	33.8	13.9	6.3	.1	.4					100.0	9.5	10.0

TOTAL NUMBER OF OBSERVATIONS 723

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	2.1	1.3	.2	.0							5.2	7.3	6.0
020-040	1.0	2.6	3.5	.7	.2							8.1	9.6	10.0
050-070	1.1	2.4	2.6	.8	.2							7.0	9.4	10.0
(E) 080-100	.9	1.3	1.5	.2	.0		.0					4.1	8.5	8.0
110-130	.9	1.1	1.4	.5	.2							4.1	9.8	10.0
140-160	.7	.8	.7	.2	.1							2.3	8.2	8.0
(S) 170-190	.6	1.2	2.0	.7	.8	.0						5.4	11.7	10.0
200-220	.7	1.7	3.3	1.3	1.1	.1	.2		.0			8.4	12.6	12.0
230-250	1.2	2.7	4.5	2.3	1.4	.2	.0					12.2	12.2	12.0
(W) 260-280	1.3	2.4	3.0	.8	.7	.1	.0					8.5	10.5	10.0
290-310	.9	1.7	1.1	.2	.1	.0						4.0	8.2	8.0
320-340	1.4	1.1	.4	.0	.1							3.1	6.4	6.0
VARIABLE	.2	.1		.0								.3	4.9	4.0
CALM	////////////////////////////////////											27.4	////////////////////////////////	
TOTALS	12.4	21.2	25.3	7.9	4.9	.4	.2					100.0	7.3	10.0

TOTAL NUMBER OF OBSERVATIONS 4591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.1	.7	1.4								4.1	6.2	5.0
020-040	.7	.7	1.4								2.8	8.5	9.0
050-070	2.8	2.8	2.1								7.6	6.8	6.0
(E) 080-100	.7										.7	4.0	4.0
110-130	1.4			.7	1.4						3.4	12.8	18.0
140-160	.7		.7								1.4	7.0	7.0
(S) 170-190	2.1	.7	2.8		2.8						8.3	12.4	11.0
200-220	3.4	2.8	4.1	1.4	2.1		1.4				15.2	12.3	11.0
230-250	1.4	3.4	4.8	4.8	2.8	1.4	.7				19.3	14.8	15.0
(W) 260-280	1.4	.7	.7				.7				3.4	11.2	6.0
290-310			.7								.7	10.0	10.0
320-340	2.1										2.1	4.0	4.0
VARIABLE													
CALM	////////////////////										31.0	////////	
TOTALS	18.8	11.8	18.7	6.9	9.1	1.4	2.8				100.0	7.9	10.0

TOTAL NUMBER OF OBSERVATIONS 145

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.9	.2									2.0	5.5	5.0
020-040	1.5	2.6	3.1									7.1	8.3	8.0
050-070	2.6	5.1	3.6	1.6								12.9	8.7	8.0
(E) 080-100	1.5	2.7	2.0	.4								6.6	7.6	6.0
110-130	2.0	2.2	.9		.2							5.3	6.8	6.0
140-160	1.3	.9	.9	.2	.2	.2						3.6	9.0	7.0
(S) 170-190	1.5	4.4	4.0	.7	.9	.2						11.7	10.0	9.0
200-220	.4	.9	3.3	1.5	1.6		.2					7.8	13.9	12.0
230-250	.5	1.1	1.6	1.8	.5							5.6	12.6	14.0
(W) 260-280	.4		1.1	.2								1.6	10.1	10.0
290-310	.2	.2	.4	.2								.9	10.4	10.0
320-340		.4	.2									.5	8.7	6.0
VARIABLE														
CALM	////////////////////											34.2	////////	
TOTALS	12.8	21.4	21.3	6.6	3.4	.4	.2					100.0	6.3	8.0
TOTAL NUMBER OF OBSERVATIONS 549														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.7	1.1	.7									3.5	5.7	5.0
020-040	1.5	3.0	4.9	.8	.1							10.2	9.4	10.0
050-070	3.1	4.7	5.7	1.4	.2							15.1	9.1	8.0
(E) 080-100	1.0	1.6	.6	.2	.2							3.6	7.6	6.0
110-130	1.1	.7	.4									2.2	6.0	5.0
140-160	.3	.5	.6	.2	.3	.1						2.0	11.3	10.0
(S) 170-190	.7	1.2	3.7	1.6	1.6	.2	.3					9.3	13.9	14.0
200-220	.7	1.7	2.9	.9	.7		.2		.2	.1		7.4	13.0	12.0
230-250	.9	.5	2.0	1.1	.4							4.9	11.6	12.0
(W) 260-280	.3	.4	.5	.3	.2							1.7	10.6	10.0
290-310	.3	.4	.1	.2	.1							1.1	8.8	6.0
320-340	.2	.3	.4									.8	7.8	8.0
VARIABLE	.1	.1										.2	4.5	4.5
CALM	////////////////////////////////////											38.2	////////////////////////////////	
TOTALS	11.9	16.2	22.5	6.7	3.8	.3	.5		.2	.1		100.0	6.3	10.0

TOTAL NUMBER OF OBSERVATIONS 1113

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	3.1	2.5	.2								8.7	6.9	6.0
020-040	1.0	2.6	6.3	2.0	.3	.1						12.3	11.4	12.0
050-070	1.5	3.2	6.0	2.2	.6							13.5	11.1	12.0
(E) 080-100	.6	.5	1.5	.4								3.0	9.8	10.0
110-130	.1	.2	.5	.3	.5							1.6	14.7	15.0
140-160	.2	.1	.2	.2	.1							.7	11.1	12.0
(S) 170-190	.6	.5	1.8	1.2	2.5	.3	.8					7.8	17.4	18.0
200-220	.5	.9	1.5	1.5	1.3	.5	.2					6.5	15.7	16.0
230-250	.7	2.4	3.5	1.8	1.4	.4						10.2	13.0	12.0
(W) 260-280	.6	1.8	1.2	1.1	.5	.4						5.6	11.8	10.0
290-310	1.1	.9	1.0	.1								3.1	7.3	6.0
320-340	.9	.7	.2	.1	.2							2.1	7.6	6.0
VARIABLE														
CALM	////////////////////											24.9	////////	
TOTALS	10.7	16.9	26.2	11.1	7.4	1.7	1.0					100.0	8.9	12.0
TOTAL NUMBER OF OBSERVATIONS 1100														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.5	2.8	.3	.1							8.9	7.9	8.0
020-040	1.4	2.7	4.7	1.4	.6		.1					10.9	11.0	10.0
050-070	.9	3.6	4.2	1.5	.4							10.6	10.2	10.0
(E) 080-100	.3	.4	1.0	.5	.1							2.2	11.0	12.0
110-130		.3	1.1	.3	.3							1.9	13.4	13.0
140-160	.2	.4	.3		.1							1.0	9.1	7.0
(S) 170-190	.1	1.1	2.0	1.1	2.6		.2					7.0	15.8	16.0
200-220	.5	.7	1.8	1.7	1.2	.8	.2	.1				7.0	16.2	16.0
230-250	.9	1.6	4.3	3.3	2.0	.1	.3					12.5	14.0	14.0
(W) 260-280	.9	2.2	3.1	1.4	1.0	.1						8.6	11.7	10.0
290-310	1.3	1.9	1.2	.6								5.1	8.1	8.0
320-340	1.0	1.6	.6	.3	.1							3.5	8.2	6.0
VARIABLE														
CALM	////////////////////											20.9	////////	
TOTALS	9.7	20.0	27.1	12.4	8.5	1.0	.8	.1				100.0	9.3	10.0
TOTAL NUMBER OF OBSERVATIONS 1047														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.3	.8	.2								3.2	7.5	6.0
020-040	1.4	4.3	2.7	.3								8.8	8.1	8.0
050-070	1.8	4.0	3.8	.3								10.9	9.0	8.0
(E) 080-100	.5	2.1	1.9									4.5	8.2	8.0
110-130	.2	.3	.6	.8								1.9	11.8	12.0
140-160	.2	.3		.2								.6	7.5	6.0
(S) 170-190	.6	1.9	2.9	1.3	2.1	.6						9.4	14.1	12.0
200-220	.2	1.8	3.8	1.8	1.6	.5	.2					9.7	14.3	14.0
230-250	1.6	3.0	3.8	2.9	1.6		.2					13.1	11.9	10.0
(W) 260-280	1.3	2.7	2.2	1.0	.3							7.5	9.6	8.0
290-310	1.3	2.2	1.1	.3	.2							5.1	7.8	6.0
320-340	1.3	1.1	1.1									5.5	7.0	6.0
VARIABLE	.2											.2	4.0	4.0
CALM	////////////////////											21.6	////////////////	
TOTALS	11.6	25.0	24.7	10.1	5.8	1.1	.4					100.0	8.2	10.0

TOTAL NUMBER OF OBSERVATIONS 626

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.2	1.6	.1	.0							5.8	7.1	6.0
020-040	1.4	3.0	4.6	1.1	.2	.0	.0					10.3	10.1	10.0
050-070	1.9	4.0	4.9	1.6	.3							12.8	9.8	10.0
(E) 080-100	.7	1.2	1.3	.3	.1							3.6	8.7	8.0
110-130	.6	.6	.7	.2	.2							2.3	9.9	8.0
140-160	.3	.4	.4	.1	.1	.0						1.4	10.0	8.0
(S) 170-190	.6	1.5	2.8	1.2	2.1	.2	.3					8.7	14.4	14.0
200-220	.5	1.2	2.5	1.4	1.2	.4	.2	.0	.0	.0		7.4	14.7	14.0
230-250	.9	1.7	3.1	2.1	1.2	.1	.1					9.2	12.9	12.0
(W) 260-280	.7	1.5	1.6	.8	.5	.1						5.1	11.1	10.0
290-310	.9	1.1	.8	.3	.0							3.1	8.0	6.0
320-340	.7	.8	.5	.1	.1							2.1	7.7	6.0
VARIABLE	.0	.0										.1	4.3	4.0
CALM	////////////////////											28.0	////////////////	
TOTALS	11.1	19.2	24.8	9.3	6.0	.8	.6					100.0	7.9	10.0

TOTAL NUMBER OF OBSERVATIONS 4435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.9	1.1									6.2	5.7	6.0
020-040	1.1	3.6	2.6									7.3	8.1	8.0
050-070	2.9	3.6	2.2	.4								9.1	7.4	8.0
(E) 080-100	.4	1.5										1.8	6.0	6.0
110-130	.7	.4	.4		.4							1.8	8.2	6.0
140-160	.4			.4	1.1	.4						2.2	18.7	22.0
(S) 170-190	.7	.7	4.4	1.1	5.1	1.1	1.8					15.0	18.0	20.0
200-220	.7	1.5	4.7	2.6	4.7	2.6	1.1		.4			18.2	18.4	18.0
230-250	.7	.4	2.6	2.9	2.9		.4					9.9	15.9	18.0
(W) 260-280	.4	.7	.4	.4	.7							2.6	12.3	12.0
290-310	.4											.4	4.0	4.0
320-340	1.1	.4	.4									1.8	6.0	4.0
VARIABLE														
CALN	////////////////////////////////////											23.7	////////////////////////////////	
TOTALS	11.7	15.7	18.8	7.8	14.9	4.1	3.3		.4			100.0	10.4	12.0

TOTAL NUMBER OF OBSERVATIONS 274

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.4	.2									2.2	4.8	4.0
020-040	2.6	4.1	4.3	.9	.2							12.1	8.8	8.0
050-070	1.1	5.6	3.9	1.3	.2							12.1	9.5	8.0
(E) 080-100	1.3	1.1	3.5	.4								6.3	9.0	10.0
110-130	1.5	1.5	.2									3.2	5.5	6.0
140-160	.4	.2	.6		.2							1.5	10.0	10.0
(S) 170-190	1.3	3.2	3.7	.6	1.5	.2	.9					11.5	12.8	10.0
200-220	.2	.9	2.6	1.1	1.1	.6		.2	.2			6.9	16.6	14.0
230-250	.4	2.4	2.8	1.7	1.7	.4						9.5	13.4	13.0
(W) 260-280	.4	.4	.2									1.1	7.2	8.0
290-310	.2		.2									.4	8.0	8.0
320-340	.2	.4		.2								.9	8.5	6.0
VARIABLE														
CALM	////////////////////////////////////											32.3	////////////////////////////////	
TOTALS	11.1	20.2	22.2	6.2	4.9	1.2	.9	.2	.2			100.0	7.3	10.0
TOTAL NUMBER OF OBSERVATIONS 462														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.2	.4	.1								2.5	6.7	6.0
020-040	3.0	3.8	3.7	.8								11.3	8.3	8.0
050-070	2.9	5.1	5.7	1.6	.3							15.5	9.3	8.0
(E) 080-100	1.0	1.6	1.4	.4								4.4	8.5	8.0
110-130	.7	.8	.4	.2								2.0	7.5	6.0
140-160	.4	.8	.3	.1								1.6	7.6	8.0
(S) 170-190	1.2	3.0	3.3	1.7	1.5	.3	.7		.1			11.8	13.4	12.0
200-220	.7	1.2	4.3	1.7	1.7	.1	.3			.2		10.0	14.5	12.5
230-250	.2	.7	3.0	1.0	1.3	.4						6.5	14.8	14.0
(W) 260-280	.2	.3	.6	.2								1.2	10.1	10.0
290-310	.1	.2	.1		.1							.5	9.6	8.0
320-340	.1	.2										.3	5.3	6.0
VARIABLE														
CALM	////////////////////////////////////											32.3	////////	
TOTALS	11.3	18.9	23.2	7.8	4.9	.8	1.0		.1	.2		100.0	7.4	10.0
TOTAL NUMBER OF OBSERVATIONS 1076														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.6	1.5	.2	.1	.1						6.2	7.6	6.0
020-040	2.3	4.5	6.4	1.3	.4	.1						15.0	9.8	10.0
050-070	1.6	2.3	4.8	2.2	.7	.4						12.1	11.7	12.0
(E) 080-100	.4	.7	1.7	.3	.1							3.2	10.2	10.0
110-130	.1	.4	.7	.3	.2							1.7	11.8	12.0
140-160	.2	.4	.4	.1								1.1	9.2	9.0
(S) 170-190	.1	1.2	2.8	2.0	2.1	.3	.7	.2	.2			9.4	17.1	16.0
200-220	.4	1.2	2.5	1.4	1.7	.4	.4	.2	.1			8.2	16.1	15.5
230-250	1.2	1.7	2.0	1.6	2.3	.7	.1					9.6	14.6	14.0
(W) 260-280	.4	1.3	1.7	.6	.2	.1						4.3	10.9	10.0
290-310	.2	.7	.4	.2	.1							1.6	9.9	8.0
320-340	.2	.9	.4	.1		.1						1.7	9.0	8.0
VARIABLE	.2											.2	3.0	3.0
CALM	////////////////////											25.8	////////	
TOTALS	9.1	17.9	25.3	10.3	7.9	2.2	1.2	.4	.3			100.0	9.1	10.0

TOTAL NUMBER OF OBSERVATIONS 1120

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.3	2.5	.4								8.4	7.7	7.0
020-040	1.7	4.5	3.7	1.4	.7							11.9	9.9	8.0
050-070	.5	2.2	4.1	1.4	1.0	.2						9.3	12.0	10.0
(E) 080-100	.3	.5	1.3	.8	.2							3.1	12.2	12.0
110-130	.2	.8	1.1	.5	.3							2.9	12.0	12.0
140-160	.1	.4	.7									1.2	9.5	10.0
(S) 170-190	.2	.3	2.9	1.2	1.4	.2	.5	.1				6.7	16.3	15.0
200-220	.2	1.0	3.3	.8	2.9	.2	.6	.1				9.0	16.2	16.0
230-250	.6	2.4	5.7	3.3	2.2	.7	.1		.1			15.0	14.2	14.0
(W) 260-280	1.3	2.4	2.1	1.4	.3	.2						7.6	10.5	10.0
290-310	1.3	.8	.1	.1								2.3	5.6	4.0
320-340	1.4	.5	.3	.2	.1							2.5	6.5	4.0
VARIABLE	.5											.5	3.6	4.0
CALM	////////////////////											19.7	////////////////	
TOTALS	10.6	19.1	27.8	11.5	9.1	1.5	1.2	.2	.1			100.0	9.6	10.0

TOTAL NUMBER OF OBSERVATIONS 1011

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.7	1.5									7.2	6.6	6.0
020-040	2.0	5.1	2.6	.2	.2							10.1	7.6	6.0
050-070	1.8	3.5	3.7	.4	.7							10.1	9.0	8.0
(E) 080-100	1.1	1.7	2.0	.6	.4							5.7	9.8	10.0
110-130	.2	1.8	1.1	.2	.2							3.5	9.1	8.0
140-160	.2	.4	.2									.7	7.0	7.0
(S) 170-190	.6	.6	2.8	2.2	.6	.2	.6	.2				7.5	15.1	14.0
200-220	.6	2.0	3.1	1.5	1.3	.4	.2	.4				9.4	14.2	12.0
230-250	1.3	3.5	4.6	2.4	2.0	.6	.2					14.5	12.9	12.0
(W) 260-280	.9	2.4	1.3									4.6	7.3	6.0
290-310	1.1	.6	.6		.2							2.4	7.3	6.0
320-340	.6	.6	.2	.4								1.7	8.2	6.0
VARIABLE														
CALM	////////////////////											22.6	////////	
TOTALS	12.4	25.9	23.7	7.9	5.6	1.2	1.0	.6				100.0	8.1	10.0
TOTAL NUMBER OF OBSERVATIONS 544														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.3	1.3	.2	.0	.0						5.5	7.3	6.0
020-040	2.3	4.3	4.3	1.0	.3	.0						12.4	9.1	8.0
050-070	1.6	3.5	4.6	1.5	.6	.1						12.0	10.4	10.0
(E) 080-100	.7	1.0	1.8	.5	.1							4.1	9.8	10.0
110-130	.4	.9	.7	.3	.1							2.5	9.5	8.0
140-160	.2	.5	.5	.0	.0							1.2	8.7	8.0
(S) 170-190	.6	1.6	3.0	1.6	1.5	.2	.7	.1	.1			9.4	15.0	14.0
200-220	.4	1.2	3.2	1.3	1.9	.3	.4	.1	.0	.0		8.9	15.5	14.0
230-250	.7	1.9	3.6	2.0	1.9	.6	.1		.0			10.7	14.1	14.0
(W) 260-280	.6	1.3	1.3	.5	.1	.1						4.0	10.0	10.0
290-310	.5	.5	.3	.1	.1							1.4	7.6	6.0
320-340	.5	.5	.2	.1	.0	.0						1.4	7.6	6.0
VARIABLE	.2											.2	3.4	4.0
CALM	////////////////////											26.3	////////	
TOTALS	10.4	19.5	24.8	9.1	6.6	1.3	1.2	.2	.1			100.0	8.4	10.0
TOTAL NUMBER OF OBSERVATIONS 4213														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	1.0									4.2	7.1	6.0
020-040	3.5	4.5	1.6	.6	.3							10.6	7.4	6.0
050-070	1.6	2.6	2.3	1.0								7.4	8.8	8.0
(E) 080-100			.3									.3	10.0	10.0
110-130		.3	.6									1.0	9.3	10.0
140-160		.6										.6	7.0	7.0
(S) 170-190	.6	1.6	4.8	1.3	2.9	1.0	1.3	.6	.3			14.5	17.7	16.0
200-220	.3	2.6	1.6	2.9	4.2	1.0	1.3	.6	.6			15.1	19.4	20.0
230-250	1.0	1.6	2.9	.6	4.2	1.6	.3					12.2	17.0	18.0
(W) 260-280	.3	.6	1.6	.6								3.2	11.7	12.0
290-310	.3	.3	.3		.3							1.3	11.0	10.0
320-340	.3	.3	.3			.3						1.3	12.0	9.0
VARIABLE														
CALM	////////////////////											28.3	////////	
TOTALS	9.5	16.6	17.3	7.0	11.9	3.9	2.9	1.2	.9			100.0	10.2	12.0

TOTAL NUMBER OF OBSERVATIONS 311

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.8	1.3	.2	.0	.0						4.6	7.5	6.0
020-040	1.1	2.2	3.0	.7	.2	.0	.0	.0				7.3	9.8	10.0
050-070	1.0	2.2	3.0	.9	.4	.1	.0					7.7	10.4	10.0
(E) 080-100	.7	1.0	1.2	.4	.1	.0	.0					3.3	9.4	9.5
110-130	.6	.7	.7	.2	.1	.0	.0	.0				2.4	9.4	8.0
140-160	.4	.5	.4	.1	.0	.0						1.4	8.3	8.0
(S) 170-190	.9	1.5	2.2	.9	.7	.1	.1	.0	.0			6.4	11.9	10.0
200-220	.7	1.8	3.9	1.7	1.3	.2	.2	.0	.0	.0		9.8	13.2	12.0
230-250	1.0	2.6	5.8	3.7	2.2	.3	.2	.0	.0			15.9	13.5	14.0
(W) 260-280	1.0	2.4	4.0	1.7	.7	.1	.0	.0	.0			9.9	11.3	10.0
290-310	.8	1.2	1.1	.3	.1	.0	.0					3.5	8.7	8.0
320-340	.7	.9	.5	.1	.1	.0						2.3	7.7	6.0
VARIABLE	.2	.1	.0	.0								.3	4.9	4.0
CALM	////////////////////////////////////											25.2	////////////////////////////////	
TOTALS	10.4	18.9	27.1	10.9	5.9	.8	.5					100.0	8.3	10.0

TOTAL NUMBER OF OBSERVATIONS: 55166

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.3	.8	.0	.0							3.3	7.0	6.0
020-040	1.6	2.3	1.6	.1	.0							5.5	7.6	8.0
050-070	1.4	1.9	1.4	.4								5.1	7.9	8.0
(E) 080-100	.5	.8	.2	.0	.0							1.6	6.8	6.0
110-130	.7	.4	.4	.1	.1							1.6	7.7	6.0
140-160	.7	.4	.4	.1	.1	.1						2.0	9.1	6.0
(S) 170-190	1.2	2.3	3.7	1.9	2.0	.4	.6	.1	.0			12.2	14.0	12.0
200-220	1.0	3.3	7.0	3.4	3.6	.8	1.1	.2	.2			20.5	15.3	14.0
230-250	1.0	2.1	4.4	2.4	2.4	.8	.8	.1				14.1	15.4	14.0
(W) 260-280	.7	.8	1.5	.6	.3	.1	.1					4.1	11.5	11.0
290-310	.4	.4	.4	.1	.0	.0	.1					1.4	9.6	8.0
320-340	.4	.5	.2	.0	.1	.0						1.3	8.2	8.0
VARIABLE														
CALM	////////////////////											27.2	////////	
TOTALS	10.7	16.5	22.0	9.1	8.6	2.2	2.7	.4	.2			100.0	9.2	10.0

TOTAL NUMBER OF OBSERVATIONS: 2706

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.1	55.1	68.2	73.5	78.3	79.6	79.6	80.8	81.6	81.6	82.0	82.2	82.2	82.4	83.2	84.6
GE 4500	21.1	55.1	68.2	73.5	78.3	79.6	79.6	80.8	81.6	81.6	82.0	82.2	82.2	82.4	83.2	84.6
GE 4000	21.3	55.3	68.6	73.9	78.7	80.0	80.0	81.2	82.0	82.0	82.4	82.6	82.6	82.8	83.6	85.0
GE 3500	21.5	55.5	69.0	74.3	79.1	80.4	80.4	81.6	82.4	82.4	82.8	83.0	83.0	83.2	84.0	85.4
GE 3000	21.9	55.9	69.4	74.7	79.6	80.8	80.8	82.0	82.8	82.8	83.2	83.4	83.4	83.6	84.4	85.8
GE 2500	24.3	58.7	73.1	79.4	85.4	87.0	87.0	88.7	89.5	89.5	89.9	90.1	90.1	90.3	91.1	92.5
GE 2000	25.3	60.3	75.9	82.6	89.7	91.3	91.3	92.9	93.9	93.9	94.3	94.5	94.5	94.7	95.5	97.0
GE 1800	25.7	60.7	76.9	83.6	90.9	92.7	92.7	94.3	95.3	95.3	95.7	96.0	96.0	96.2	97.0	98.4
GE 1500	25.7	60.7	76.9	83.8	91.3	93.1	93.1	94.9	96.0	96.0	96.6	96.8	96.8	97.0	97.8	99.2
GE 1200	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 1000	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 900	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 800	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 700	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 600	25.7	60.9	77.1	84.0	91.7	93.5	93.5	95.3	96.4	96.4	97.0	97.2	97.2	97.4	98.2	99.6
GE 500	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	99.8
GE 400	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	99.8
GE 300	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	99.8
GE 200	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	99.8
GE 100	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	99.8
GE 000	25.7	60.9	77.1	84.0	91.7	93.7	93.7	95.5	96.6	96.6	97.2	97.4	97.4	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 494

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	18.9	38.9	56.2	58.2	67.6	70.2	71.0	75.2	75.8	75.8	76.2	76.7	77.0	77.0	77.4	79.7
GE 4500	19.0	39.0	56.3	58.3	67.7	70.3	71.0	75.3	75.9	75.9	76.3	76.8	77.1	77.1	77.5	79.7
GE 4000	19.6	39.7	57.0	59.0	68.4	71.1	71.9	76.3	76.9	76.9	77.2	77.7	78.1	78.1	78.4	80.7
GE 3500	20.4	40.5	57.8	59.8	69.3	72.0	72.8	77.1	77.7	77.7	78.1	78.6	79.0	79.0	79.3	81.6
GE 3000	21.7	41.7	59.8	61.9	71.7	74.3	75.1	79.5	80.1	80.1	80.4	81.0	81.3	81.3	81.7	83.9
GE 2500	23.7	43.8	62.5	64.9	75.4	78.4	79.2	83.7	84.3	84.3	84.7	85.2	85.6	85.6	86.0	88.3
GE 2000	25.0	45.4	65.0	67.9	79.8	83.2	84.1	89.0	89.7	89.7	90.3	91.0	91.3	91.3	91.7	94.0
GE 1800	25.1	45.5	65.4	68.3	80.3	84.0	84.9	90.0	90.8	90.8	91.4	92.2	92.5	92.5	93.0	95.3
GE 1500	25.3	45.7	65.7	68.5	81.0	85.0	85.9	91.6	92.5	92.5	93.2	94.0	94.3	94.3	95.0	97.2
GE 1200	25.3	45.7	65.8	68.7	81.2	85.2	86.2	92.3	93.3	93.3	94.0	94.8	95.1	95.1	95.7	98.0
GE 1000	25.3	45.7	65.9	68.8	81.4	85.5	86.4	93.0	94.1	94.2	95.0	95.8	96.2	96.2	96.8	99.0
GE 900	25.3	45.7	65.9	68.8	81.5	85.6	86.5	93.0	94.2	94.3	95.0	95.9	96.3	96.3	96.9	99.1
GE 800	25.3	45.7	65.9	68.8	81.6	85.7	86.7	93.2	94.3	94.5	95.3	96.2	96.5	96.5	97.1	99.4
GE 700	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.3	96.6	96.6	97.2	99.5
GE 600	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.3	96.7	96.7	97.3	99.6
GE 500	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	99.7
GE 400	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	99.7
GE 300	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	99.7
GE 200	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	99.8
GE 100	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	100.0
GE 000	25.3	45.7	65.9	68.8	81.7	85.8	86.8	93.3	94.4	94.6	95.4	96.4	96.8	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1150

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.2	49.0	65.4	69.7	75.9	77.4	77.6	78.1	78.5	78.5	78.8	79.0	79.0	79.0	79.0	79.2
GE 4500	26.2	49.0	65.4	69.7	75.9	77.4	77.6	78.1	78.5	78.5	78.8	79.0	79.0	79.0	79.0	79.2
GE 4000	26.5	49.3	65.8	70.2	76.3	77.8	78.1	78.5	79.0	79.0	79.2	79.4	79.4	79.4	79.4	79.7
GE 3500	27.1	49.9	66.5	70.8	76.9	78.4	78.7	79.1	79.6	79.6	79.9	80.0	80.0	80.0	80.0	80.3
GE 3000	29.0	51.8	68.9	73.3	79.5	81.0	81.3	81.7	82.2	82.2	82.4	82.6	82.6	82.6	82.6	82.9
GE 2500	32.2	55.0	72.6	77.1	83.9	85.5	85.8	86.4	87.0	87.0	87.2	87.4	87.4	87.4	87.4	87.7
GE 2000	34.6	57.8	76.0	80.9	88.0	90.1	90.6	91.7	92.2	92.2	92.5	92.8	92.8	92.8	92.8	93.1
GE 1800	34.9	58.0	77.2	82.2	89.5	91.7	92.3	93.5	94.2	94.2	94.5	95.0	95.0	95.0	95.1	95.4
GE 1500	35.2	58.4	77.8	82.9	90.6	93.2	93.7	95.0	95.7	95.7	96.1	96.7	96.7	96.7	96.8	97.1
GE 1200	35.3	58.5	77.9	83.0	90.9	93.7	94.3	95.7	96.5	96.5	96.8	97.4	97.4	97.4	97.6	97.9
GE 1000	35.4	58.6	78.0	83.1	91.1	94.0	94.6	96.3	97.0	97.0	97.3	98.0	98.0	98.0	98.2	98.5
GE 900	35.4	58.6	78.1	83.1	91.2	94.1	94.7	96.5	97.2	97.2	97.5	98.1	98.1	98.1	98.4	98.7
GE 800	35.4	58.6	78.1	83.1	91.2	94.1	94.8	96.6	97.4	97.4	97.8	98.4	98.4	98.4	98.7	98.9
GE 700	35.4	58.6	78.1	83.1	91.2	94.1	94.8	96.7	97.5	97.5	98.0	98.7	98.7	98.7	98.9	99.2
GE 600	35.4	58.6	78.1	83.1	91.2	94.2	94.9	96.8	97.6	97.6	98.0	98.8	98.8	98.8	99.1	99.4
GE 500	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	97.9	98.3	99.1	99.2	99.2	99.6	99.8
GE 400	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	97.9	98.3	99.1	99.2	99.2	99.6	99.8
GE 300	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	98.0	98.4	99.2	99.3	99.3	99.6	99.9
GE 200	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	98.0	98.4	99.2	99.3	99.3	99.7	100.0
GE 100	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	98.0	98.4	99.2	99.3	99.3	99.7	100.0
GE 000	35.4	58.6	78.1	83.1	91.2	94.2	94.9	97.0	97.9	98.0	98.4	99.2	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1127

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.1	66.0	71.3	72.3	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3
GE 4500	35.2	66.1	71.4	72.4	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4
GE 4000	35.9	66.9	72.2	73.1	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.2	75.3
GE 3500	36.2	67.2	72.6	73.6	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.6	75.7
GE 3000	40.1	71.2	77.2	78.3	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.4	80.5
GE 2500	45.3	76.8	83.2	84.3	86.2	86.6	86.6	86.7	86.7	86.7	86.8	86.9	86.9	86.9	87.0	87.1
GE 2000	49.8	81.4	89.4	91.0	93.1	94.0	94.1	94.7	94.8	94.8	94.9	95.0	95.1	95.1	95.1	95.2
GE 1800	50.8	82.5	90.6	92.2	94.3	95.4	95.6	96.2	96.3	96.3	96.4	96.5	96.5	96.5	96.7	96.8
GE 1500	51.5	83.4	91.6	93.2	95.4	96.5	96.7	97.5	97.7	97.7	97.8	97.9	97.9	97.9	98.1	98.2
GE 1200	51.5	83.5	91.8	93.4	95.8	96.9	97.1	98.0	98.2	98.2	98.4	98.5	98.6	98.6	98.9	99.0
GE 1000	51.6	83.6	91.9	93.5	95.9	97.0	97.2	98.3	98.6	98.6	98.8	98.9	99.0	99.0	99.3	99.3
GE 900	51.6	83.6	91.9	93.5	95.9	97.0	97.2	98.3	98.6	98.6	98.8	98.9	99.0	99.0	99.3	99.3
GE 800	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.6	98.9	98.9	99.1	99.2	99.3	99.3	99.5	99.6
GE 700	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.6	98.9	98.9	99.1	99.2	99.3	99.3	99.5	99.6
GE 600	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.6	98.9	98.9	99.1	99.2	99.3	99.3	99.5	99.6
GE 500	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.8	99.9
GE 400	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.9	100.0
GE 300	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.9	100.0
GE 200	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.9	100.0
GE 100	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.9	100.0
GE 000	51.6	83.6	91.9	93.5	95.9	97.3	97.5	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1071

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	41.3	73.1	76.7	78.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4500	41.6	73.4	77.0	78.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	42.0	73.8	77.4	78.9	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3500	42.8	74.6	78.2	79.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3000	46.4	78.4	82.1	83.6	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	49.3	81.3	86.6	88.0	89.2	89.7	89.7	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2
GE 2000	53.4	85.6	91.3	92.8	95.2	96.2	96.2	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9
GE 1800	53.9	86.1	92.0	93.6	96.2	97.2	97.2	97.7	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9
GE 1500	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 1200	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 1000	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 900	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 800	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5
GE 700	54.3	86.4	92.5	94.1	96.7	98.0	98.0	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5
GE 600	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 500	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0
GE 400	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0
GE 300	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0
GE 200	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0
GE 100	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0
GE 000	54.4	86.6	92.6	94.3	96.9	98.2	98.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 610

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	27.9	54.4	66.3	68.9	73.9	75.2	75.5	76.9	77.2	77.2	77.4	77.7	77.7	77.8	78.0	78.8
GE 4500	28.0	54.5	66.4	69.0	74.0	75.3	75.6	77.0	77.3	77.3	77.5	77.7	77.8	77.9	78.1	78.9
GE 4000	28.5	55.1	67.0	69.6	74.6	75.9	76.2	77.6	77.9	77.9	78.1	78.4	78.5	78.5	78.7	79.5
GE 3500	29.1	55.6	67.6	70.2	75.3	76.6	76.9	78.2	78.6	78.6	78.8	79.0	79.1	79.1	79.3	80.2
GE 3000	31.4	58.0	70.4	73.1	78.3	79.6	79.9	81.3	81.6	81.6	81.8	82.1	82.1	82.2	82.4	83.2
GE 2500	34.6	61.4	74.5	77.4	83.1	84.7	85.0	86.5	86.9	86.9	87.2	87.4	87.5	87.5	87.7	88.6
GE 2000	37.3	64.4	78.5	81.8	88.3	90.2	90.6	92.5	93.0	93.0	93.3	93.6	93.7	93.7	94.0	94.8
GE 1800	37.8	64.8	79.4	82.7	89.4	91.5	91.9	93.9	94.4	94.4	94.7	95.1	95.2	95.3	95.6	96.4
GE 1500	38.1	65.2	79.9	83.3	90.2	92.5	92.9	95.3	95.8	95.8	96.2	96.6	96.7	96.8	97.1	97.9
GE 1200	38.2	65.3	80.0	83.4	90.5	92.9	93.3	95.8	96.4	96.4	96.8	97.2	97.3	97.3	97.7	98.5
GE 1000	38.2	65.3	80.1	83.5	90.6	93.0	93.5	96.2	96.8	96.9	97.3	97.7	97.8	97.8	98.2	99.1
GE 900	38.2	65.3	80.1	83.5	90.6	93.1	93.5	96.2	96.9	96.9	97.3	97.8	97.9	97.9	98.3	99.1
GE 800	38.2	65.3	80.1	83.5	90.7	93.2	93.6	96.4	97.1	97.1	97.6	98.0	98.1	98.2	98.5	99.4
GE 700	38.2	65.3	80.1	83.5	90.7	93.2	93.7	96.5	97.1	97.2	97.6	98.1	98.2	98.2	98.6	99.5
GE 600	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.5	97.2	97.3	97.7	98.2	98.3	98.4	98.7	99.6
GE 500	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.5	99.0	99.8
GE 400	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.5	99.0	99.8
GE 300	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.6	99.0	99.9
GE 200	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.6	99.1	99.9
GE 100	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.6	99.1	100.0
GE 000	38.2	65.3	80.1	83.5	90.7	93.3	93.7	96.6	97.3	97.4	97.8	98.4	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 4452

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	E 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	22.0	45.5	60.0	66.5	74.4	75.9	75.9	77.1	78.0	78.0	78.4	79.7	79.7	79.7	79.9	82.2
GE 4500	22.0	45.5	60.0	66.5	74.4	75.9	75.9	77.1	78.0	78.0	78.4	79.7	79.7	79.7	79.9	82.2
GE 4000	22.4	45.9	60.4	66.9	74.8	76.3	76.3	77.6	78.4	78.4	78.8	80.1	80.1	80.1	80.3	82.6
GE 3500	22.4	45.9	60.4	66.9	74.8	76.3	76.3	77.6	78.4	78.4	78.8	80.1	80.1	80.1	80.3	82.6
GE 3000	23.5	47.0	61.8	68.3	76.7	78.2	78.2	79.7	80.5	80.5	80.9	82.2	82.2	82.2	82.4	84.7
GE 2500	24.7	48.4	65.2	72.7	82.2	84.1	84.1	86.0	87.0	87.0	87.4	88.7	88.7	88.7	88.9	91.2
GE 2000	26.0	49.7	66.9	75.1	85.3	87.6	87.6	89.7	91.0	91.0	91.6	92.9	92.9	92.9	93.1	95.4
GE 1800	26.2	49.9	67.3	75.5	86.0	88.3	88.3	90.4	91.6	91.6	92.2	93.7	93.7	93.7	93.9	96.2
GE 1500	26.2	49.9	67.9	76.1	86.6	89.3	89.3	91.8	93.1	93.1	93.7	95.4	95.4	95.4	95.6	98.1
GE 1200	26.2	49.9	67.9	76.3	87.4	90.4	90.4	92.9	94.1	94.1	94.8	96.4	96.4	96.4	96.6	99.2
GE 1000	26.2	49.9	67.9	76.5	87.6	90.6	90.6	93.1	94.3	94.3	95.0	96.6	96.6	96.6	96.9	99.4
GE 900	26.2	49.9	67.9	76.5	87.6	90.6	90.6	93.1	94.3	94.3	95.0	96.6	96.6	96.6	96.9	99.4
GE 800	26.2	49.9	67.9	76.5	87.6	90.6	90.6	93.1	94.3	94.3	95.0	96.6	96.6	96.6	96.9	99.4
GE 700	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 600	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 500	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 400	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 300	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 200	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 100	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	99.6
GE 000	26.2	49.9	67.9	76.5	87.8	90.8	90.8	93.3	94.5	94.5	95.2	96.9	96.9	96.9	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 477

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	17.9	32.2	49.5	53.8	63.8	67.6	68.0	70.9	72.1	72.1	72.5	72.9	73.1	73.2	73.6	7.8
GE 4500	18.0	32.3	49.6	53.9	63.9	67.7	68.1	71.0	72.2	72.2	72.6	73.0	73.2	73.3	73.7	74.9
GE 4000	18.8	33.1	50.7	55.0	65.0	68.8	69.2	72.2	73.5	73.5	73.9	74.3	74.5	74.6	75.0	76.1
GE 3500	18.9	33.2	50.9	55.3	65.3	69.1	69.5	72.6	73.9	73.9	74.3	74.7	74.9	75.0	75.3	76.5
GE 3000	19.9	34.2	52.5	57.2	67.4	71.6	72.0	75.1	76.4	76.4	76.8	77.2	77.4	77.5	77.9	79.0
GE 2500	21.6	36.2	55.8	61.5	72.2	77.3	77.8	81.0	82.4	82.4	82.8	83.3	83.5	83.6	84.0	85.2
GE 2000	22.8	37.3	57.8	64.4	76.2	81.8	82.6	86.3	87.7	87.7	88.2	88.8	89.0	89.1	89.5	90.6
GE 1800	23.1	37.7	58.7	65.4	77.7	83.7	84.6	88.6	90.2	90.3	90.9	91.8	92.0	92.1	92.5	93.7
GE 1500	23.2	37.8	59.1	65.8	78.2	84.5	85.4	89.7	91.2	91.3	92.0	93.0	93.2	93.3	93.8	95.1
GE 1200	23.2	37.9	59.3	66.0	78.6	85.1	86.0	90.3	91.9	92.1	92.8	93.8	94.0	94.1	94.6	96.0
GE 1000	23.2	37.9	59.4	66.2	79.3	85.9	86.7	91.1	92.8	93.0	93.7	94.7	95.0	95.1	95.7	97.1
GE 900	23.2	37.9	59.4	66.2	79.3	85.9	86.7	91.1	92.8	93.0	93.7	94.7	95.0	95.1	95.7	97.1
GE 800	23.2	37.9	59.5	66.3	79.6	86.3	87.1	91.5	93.2	93.4	94.1	95.3	95.7	95.8	96.4	97.8
GE 700	23.2	37.9	59.5	66.3	79.7	86.4	87.2	91.7	93.4	93.6	94.2	95.5	95.9	96.0	96.6	98.0
GE 600	23.2	37.9	59.5	66.3	79.8	86.5	87.3	91.8	93.6	93.8	94.4	95.7	96.1	96.3	96.9	98.2
GE 500	23.2	37.9	59.5	66.3	79.9	86.5	87.4	92.1	94.1	94.2	94.9	96.3	96.9	97.1	97.7	99.1
GE 400	23.2	37.9	59.5	66.3	79.9	86.6	87.5	92.3	94.3	94.5	95.2	96.6	97.3	97.5	98.1	99.5
GE 300	23.2	37.9	59.5	66.3	79.9	86.6	87.5	92.3	94.3	94.5	95.2	96.7	97.4	97.6	98.1	99.7
GE 200	23.2	37.9	59.5	66.3	79.9	86.6	87.5	92.3	94.4	94.6	95.3	96.8	97.5	97.8	98.4	100.0
GE 100	23.2	37.9	59.5	66.3	79.9	86.6	87.5	92.3	94.4	94.6	95.3	96.8	97.5	97.8	98.4	100.0
GE 000	23.2	37.9	59.5	66.3	79.9	86.6	87.5	92.3	94.4	94.6	95.3	96.8	97.5	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1026

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	28.4	45.8	60.0	63.5	68.7	70.2	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
GE 4500	28.4	45.8	60.0	63.5	68.7	70.2	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
GE 4000	29.0	46.5	60.8	64.2	69.5	71.0	71.2	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9
GE 3500	29.3	46.8	61.2	64.6	69.8	71.4	71.6	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.4
GE 3000	31.6	49.1	64.3	67.8	73.2	74.7	74.9	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.8
GE 2500	36.9	54.8	71.6	75.7	81.7	83.2	83.4	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.3
GE 2000	40.6	58.7	76.6	81.3	88.5	90.6	90.9	91.6	91.6	91.6	91.7	92.0	92.0	92.0	92.0	92.1
GE 1800	41.5	59.5	77.9	82.5	90.2	92.3	92.6	93.7	93.7	93.7	93.8	94.2	94.2	94.2	94.2	94.3
GE 1500	41.6	59.6	78.1	82.8	90.7	92.9	93.3	94.7	94.8	94.8	94.8	95.3	95.3	95.3	95.3	95.4
GE 1200	41.7	59.7	78.5	83.6	91.9	94.4	94.8	96.3	96.6	96.6	96.7	97.3	97.3	97.4	97.4	97.5
GE 1000	41.7	59.7	78.5	83.7	92.3	95.1	95.5	97.1	97.5	97.5	97.6	98.3	98.3	98.4	98.4	98.5
GE 900	41.7	59.7	78.5	83.7	92.3	95.1	95.5	97.2	97.6	97.6	97.7	98.4	98.4	98.5	98.5	98.6
GE 800	41.7	59.7	78.6	83.8	92.6	95.4	95.8	97.7	98.1	98.2	98.3	99.0	99.0	99.0	99.0	99.1
GE 700	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.3	98.4	98.5	99.1	99.1	99.2	99.2	99.3
GE 600	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.3	98.4	98.5	99.2	99.2	99.3	99.3	99.4
GE 500	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.5	98.7	98.8	99.5	99.5	99.6	99.6	99.7
GE 400	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.6	98.9	99.0	99.7	99.7	99.8	99.8	99.9
GE 300	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.7	99.0	99.0	99.8	99.8	99.9	99.9	100.0
GE 200	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.7	99.0	99.0	99.8	99.8	99.9	99.9	100.0
GE 100	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.7	99.0	99.0	99.8	99.8	99.9	99.9	100.0
GE 000	41.8	59.8	78.7	83.9	92.7	95.6	96.0	97.9	98.7	99.0	99.0	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1048

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		43.7	62.5	66.7	67.0	67.9	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500		43.7	62.5	66.7	67.0	67.9	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000		44.0	62.9	67.2	67.5	68.6	69.0	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
GE 3500		44.6	63.5	67.9	68.3	69.4	69.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 3000		47.8	66.7	71.4	71.9	73.1	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
GE 2500		55.9	74.9	80.7	81.5	83.2	83.7	83.7	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2
GE 2000		60.3	79.6	87.8	88.9	91.5	92.2	92.2	92.5	92.6	92.6	92.8	92.8	93.0	93.0	93.0	93.0
GE 1800		61.6	80.9	89.6	91.0	93.9	94.7	94.7	95.2	95.3	95.3	95.5	95.5	95.7	95.7	95.7	95.7
GE 1500		61.8	81.1	90.0	91.7	94.9	95.7	95.7	96.2	96.3	96.3	96.5	96.5	96.7	96.7	96.7	96.7
GE 1200		61.9	81.4	90.6	92.3	95.8	96.8	96.8	97.5	97.7	97.7	97.9	98.0	98.2	98.2	98.2	98.2
GE 1000		61.9	81.4	90.7	92.4	95.9	97.0	97.0	97.9	98.1	98.1	98.3	98.4	98.6	98.6	98.6	98.6
GE 900		61.9	81.4	90.7	92.4	95.9	97.0	97.0	98.0	98.2	98.2	98.4	98.5	98.7	98.7	98.7	98.7
GE 800		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4
GE 700		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	98.9	98.9	99.2	99.3	99.5	99.5	99.5	99.5
GE 600		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	99.0	99.0	99.4	99.6	99.8	99.8	99.8	99.8
GE 500		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	99.1	99.1	99.5	99.7	99.9	99.9	99.9	99.9
GE 400		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	99.1	99.1	99.5	99.7	99.9	99.9	99.9	99.9
GE 300		61.9	81.4	90.7	92.4	96.0	97.3	97.3	98.6	99.1	99.1	99.5	99.7	99.9	99.9	99.9	99.9
GE 200		62.0	81.5	90.8	92.5	96.1	97.4	97.4	98.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0
GE 100		62.0	81.5	90.8	92.5	96.1	97.4	97.4	98.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0
GE 000		62.0	81.5	90.8	92.5	96.1	97.4	97.4	98.7	99.2	99.2	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1006

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	45.0	66.2	69.2	70.0	71.0	71.2	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4500	45.0	66.2	69.2	70.0	71.0	71.2	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	45.7	66.9	70.3	71.0	72.1	72.3	72.4	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500	46.5	67.7	71.2	72.0	73.0	73.2	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	49.1	70.4	74.1	75.2	76.4	76.5	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 2500	55.5	77.1	80.8	81.9	83.7	84.0	84.1	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2000	59.5	81.4	87.3	88.6	91.3	92.4	92.8	93.4	93.9	93.9	93.9	94.1	94.1	94.2	94.2	94.2
GE 1800	60.4	82.5	89.0	90.2	93.3	94.5	95.0	95.7	96.2	96.2	96.2	96.3	96.3	96.5	96.5	96.5
GE 1500	60.7	82.8	89.3	90.9	94.2	95.4	95.9	96.6	97.1	97.1	97.1	97.3	97.3	97.4	97.4	97.4
GE 1200	61.0	83.1	89.9	91.5	95.1	96.6	97.1	97.9	98.5	98.5	98.5	98.6	98.6	98.8	98.8	98.8
GE 1000	61.0	83.1	90.1	91.6	95.3	96.8	97.3	98.0	98.6	98.6	98.6	98.8	98.8	98.9	98.9	98.9
GE 900	61.0	83.1	90.1	91.6	95.3	96.8	97.3	98.0	98.6	98.6	98.6	98.8	98.8	98.9	98.9	98.9
GE 800	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.6	99.2	99.2	99.2	99.4	99.4	99.5	99.5	99.5
GE 700	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.6	99.2	99.2	99.2	99.4	99.4	99.5	99.5	99.5
GE 600	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.6	99.2	99.2	99.2	99.5	99.5	99.7	99.7	99.7
GE 500	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.6	99.2	99.2	99.2	99.5	99.5	99.7	99.7	99.7
GE 400	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.8	99.4	99.4	99.4	99.7	99.7	99.8	99.8	99.8
GE 300	61.0	83.1	90.2	91.8	95.7	97.3	97.7	98.8	99.4	99.4	99.4	99.7	99.7	99.8	99.8	99.8
GE 200	61.1	83.2	90.4	91.9	95.9	97.4	97.9	98.9	99.5	99.5	99.5	99.8	99.8	100.0	100.0	100.0
GE 100	61.1	83.2	90.4	91.9	95.9	97.4	97.9	98.9	99.5	99.5	99.5	99.8	99.8	100.0	100.0	100.0
GE 000	61.1	83.2	90.4	91.9	95.9	97.4	97.9	98.9	99.5	99.5	99.5	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 656

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.4	49.6	60.5	63.3	68.3	69.9	70.1	71.2	71.6	71.6	71.8	72.0	72.0	72.1	72.2	72.8
GE 4500	31.4	49.6	60.5	63.3	68.4	70.0	70.1	71.2	71.6	71.6	71.8	72.0	72.1	72.1	72.2	72.8
GE 4000	32.0	50.3	61.3	64.1	69.2	70.8	70.9	72.1	72.5	72.5	72.7	72.9	73.0	73.0	73.1	73.7
GE 3500	32.3	50.6	61.7	64.6	69.7	71.3	71.4	72.6	73.0	73.0	73.2	73.5	73.5	73.5	73.7	74.2
GE 3000	34.4	52.8	64.4	67.4	72.7	74.4	74.5	75.7	76.2	76.2	76.3	76.6	76.6	76.7	76.8	77.4
GE 2500	39.2	57.8	70.6	74.2	80.1	82.1	82.3	83.6	84.1	84.1	84.3	84.6	84.7	84.7	84.8	85.4
GE 2000	42.3	61.0	75.3	79.4	86.3	88.8	89.1	90.6	91.2	91.2	91.5	91.8	91.9	92.0	92.1	92.7
GE 1800	43.0	61.8	76.5	80.8	88.0	90.7	91.0	92.8	93.4	93.4	93.7	94.2	94.3	94.4	94.5	95.0
GE 1500	43.2	62.0	76.9	81.3	88.7	91.5	91.9	93.8	94.4	94.5	94.8	95.3	95.4	95.5	95.6	96.3
GE 1200	43.3	62.1	77.3	81.8	89.6	92.6	93.0	95.0	95.7	95.8	96.1	96.7	96.8	96.9	97.1	97.7
GE 1000	43.3	62.1	77.4	81.9	89.9	93.1	93.4	95.5	96.3	96.4	96.7	97.3	97.5	97.5	97.7	98.3
GE 900	43.3	62.1	77.4	81.9	89.9	93.1	93.4	95.6	96.4	96.4	96.7	97.4	97.5	97.6	97.7	98.4
GE 800	43.3	62.1	77.4	82.0	90.2	93.4	93.8	96.0	96.8	96.9	97.2	97.9	98.1	98.1	98.3	99.0
GE 700	43.3	62.1	77.5	82.0	90.2	93.5	93.9	96.2	97.0	97.0	97.4	98.1	98.2	98.3	98.5	99.1
GE 600	43.3	62.1	77.5	82.0	90.3	93.5	93.9	96.2	97.0	97.1	97.5	98.2	98.4	98.5	98.6	99.3
GE 500	43.3	62.1	77.5	82.0	90.3	93.5	93.9	96.2	97.2	97.3	97.7	98.5	98.7	98.8	98.9	99.6
GE 400	43.3	62.1	77.5	82.0	90.3	93.5	93.9	96.3	97.3	97.5	97.8	98.6	98.8	98.9	99.1	99.8
GE 300	43.3	62.1	77.5	82.0	90.3	93.5	93.9	96.3	97.4	97.5	97.8	98.7	98.9	99.0	99.1	99.8
GE 200	43.3	62.2	77.5	82.1	90.3	93.6	94.0	96.4	97.4	97.6	97.9	98.7	99.0	99.1	99.3	100.0
GE 100	43.3	62.2	77.5	82.1	90.3	93.6	94.0	96.4	97.4	97.6	97.9	98.7	99.0	99.1	99.3	100.0
GE 000	43.3	62.2	77.5	82.1	90.3	93.6	94.0	96.4	97.4	97.6	97.9	98.7	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 4213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	20.7	52.7	67.2	69.8	75.0	77.5	77.7	79.7	81.9	81.9	82.3	83.2	83.6	83.6	84.0	84.7
GE 4500	20.7	52.7	67.2	69.8	75.0	77.5	77.7	79.7	81.9	81.9	82.3	83.2	83.6	83.6	84.0	84.7
GE 4000	20.9	52.9	67.4	70.0	75.2	77.7	77.8	79.9	82.1	82.1	82.5	83.4	83.8	83.8	84.2	84.9
GE 3500	20.9	52.9	67.4	70.0	75.2	77.7	77.8	79.9	82.1	82.1	82.5	83.4	83.8	83.8	84.2	84.9
GE 3000	22.0	54.2	69.1	71.7	77.1	79.7	79.9	81.9	84.2	84.2	84.5	85.5	85.8	85.8	86.2	87.0
GE 2500	24.8	57.5	73.6	76.4	83.1	85.8	86.2	88.5	90.7	90.7	91.2	92.2	92.6	92.6	92.9	93.7
GE 2000	25.7	58.5	76.0	79.0	86.2	89.0	89.4	92.0	94.2	94.2	94.8	95.7	96.1	96.1	96.5	97.2
GE 1800	25.9	58.7	76.2	79.1	86.4	89.2	89.8	92.7	95.0	95.0	95.5	96.5	96.8	96.8	97.2	98.0
GE 1500	25.9	58.7	76.4	79.3	86.8	89.6	90.1	93.1	95.5	95.5	96.1	97.0	97.4	97.4	97.8	98.5
GE 1200	25.9	58.7	76.5	79.5	87.0	89.8	90.3	93.3	95.7	95.7	96.3	97.2	97.6	97.6	98.0	98.7
GE 1000	26.1	58.8	76.9	79.9	87.3	90.1	90.7	93.7	96.1	96.1	96.6	97.6	98.0	98.0	98.3	99.1
GE 900	26.1	58.8	76.9	79.9	87.3	90.1	90.7	93.7	96.1	96.1	96.6	97.6	98.0	98.0	98.3	99.1
GE 800	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.5	96.5	97.0	98.0	98.3	98.3	98.7	99.4
GE 700	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 600	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 500	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 400	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 300	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 200	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 100	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	99.6
GE 000	26.3	59.0	77.3	80.3	87.7	90.5	91.1	94.0	96.6	96.6	97.2	98.1	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 537

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.8	50.0	65.8	69.6	77.4	79.6	80.1	81.1	81.7	81.8	81.8	82.2	82.5	82.6	82.6	83.5
GE 4500	21.9	50.1	65.9	69.7	77.5	79.7	80.2	81.2	81.8	81.9	81.9	82.3	82.6	82.7	82.7	83.6
GE 4000	22.3	50.5	66.5	70.3	78.2	80.4	80.9	81.9	82.5	82.6	82.6	83.1	83.3	83.4	83.4	84.3
GE 3500	22.6	50.9	66.9	70.7	78.6	80.9	81.3	82.3	83.0	83.1	83.1	83.5	83.8	83.9	83.9	84.8
GE 3000	23.8	52.1	68.8	72.6	80.6	83.2	83.6	84.6	85.2	85.3	85.3	85.8	86.1	86.1	86.1	87.0
GE 2500	26.5	55.2	72.6	76.8	85.4	88.5	88.9	90.0	90.7	90.8	90.8	91.2	91.5	91.6	91.6	92.5
GE 2000	27.9	56.5	74.7	79.0	88.8	92.1	92.7	93.8	94.7	94.7	94.7	95.2	95.5	95.6	95.6	96.5
GE 1800	28.1	56.7	75.2	79.6	89.7	93.2	93.8	94.9	95.8	95.9	95.9	96.4	96.7	96.8	96.8	97.7
GE 1500	28.2	56.8	75.6	80.2	90.2	93.9	94.5	95.7	96.6	96.7	96.8	97.3	97.6	97.7	97.7	98.6
GE 1200	28.2	56.8	75.6	80.2	90.3	94.2	94.7	96.0	97.0	97.1	97.2	97.6	98.0	98.1	98.1	99.0
GE 1000	28.2	56.8	75.6	80.2	90.3	94.2	94.7	96.0	97.2	97.3	97.4	98.0	98.4	98.5	98.5	99.4
GE 900	28.2	56.8	75.6	80.2	90.3	94.2	94.7	96.0	97.2	97.3	97.4	98.0	98.4	98.5	98.5	99.4
GE 800	28.2	56.8	75.6	80.2	90.3	94.2	94.7	96.1	97.3	97.4	97.5	98.1	98.5	98.6	98.6	99.5
GE 700	28.2	56.8	75.6	80.2	90.3	94.2	94.7	96.1	97.3	97.4	97.5	98.1	98.5	98.6	98.6	99.5
GE 600	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.3	98.7	98.8	98.8	99.7
GE 500	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.3	98.7	98.8	98.8	99.7
GE 400	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.4	98.8	98.9	98.9	99.8
GE 300	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.4	98.8	98.9	99.0	99.9
GE 200	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.4	98.8	98.9	99.0	99.9
GE 100	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.4	98.8	98.9	99.0	99.9
GE 000	28.2	56.8	75.6	80.2	90.3	94.3	94.8	96.3	97.5	97.6	97.6	98.4	98.8	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1104

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.0	62.4	70.1	72.0	76.5	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 4500	35.0	62.4	70.1	72.0	76.5	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	35.2	62.6	70.7	72.6	77.0	77.7	77.7	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	35.5	62.9	71.1	73.0	77.4	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	38.3	65.7	74.7	76.6	81.2	81.9	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
GE 2500	46.2	74.1	83.7	85.9	90.7	91.8	91.8	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1
GE 2000	48.4	76.3	87.3	89.8	95.1	96.2	96.2	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6
GE 1800	49.0	77.1	88.5	91.0	96.6	97.8	97.9	98.1	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.5
GE 1500	49.0	77.1	88.5	91.1	97.3	98.8	98.9	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7
GE 1200	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 1000	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8
GE 900	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8
GE 800	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8
GE 700	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8
GE 600	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8
GE 500	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9
GE 400	49.0	77.1	88.5	91.1	97.4	98.9	99.0	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9
GE 300	49.0	77.2	88.6	91.2	97.5	99.0	99.0	99.4	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 200	49.0	77.2	88.6	91.2	97.5	99.0	99.0	99.4	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 100	49.0	77.2	88.6	91.2	97.5	99.0	99.0	99.4	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 000	49.0	77.2	88.6	91.2	97.5	99.0	99.0	99.4	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1152

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	45.3	69.0	72.4	73.1	74.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	45.3	69.0	72.4	73.1	74.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000	45.7	69.7	73.1	73.8	75.3	75.8	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	46.5	70.5	74.0	74.7	76.1	76.6	76.6	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9
GE 3000	51.3	75.3	79.1	79.8	81.2	81.8	81.8	81.9	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.2
GE 2500	58.6	82.6	86.8	87.6	89.4	90.0	90.0	90.1	90.2	90.3	90.5	90.5	90.5	90.6	90.6	90.6
GE 2000	63.4	87.6	93.1	93.9	96.2	97.0	97.0	97.2	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7
GE 1800	63.7	88.0	93.7	94.6	96.9	97.8	97.8	98.1	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7
GE 1500	63.9	88.2	93.9	94.8	97.6	98.4	98.4	98.8	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
GE 1200	64.0	88.3	94.1	95.0	97.8	98.6	98.6	99.0	99.2	99.3	99.5	99.7	99.7	99.8	99.8	99.8
GE 1000	64.0	88.3	94.1	95.0	97.8	98.7	98.7	99.1	99.3	99.4	99.6	99.8	99.8	99.9	99.9	99.9
GE 900	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 800	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 700	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 600	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 500	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 400	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 300	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 200	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 100	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0
GE 000	64.0	88.3	94.1	95.0	97.8	98.7	98.8	99.2	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	53.1	75.4	78.4	78.7	79.6	79.9	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	53.1	75.4	78.4	78.7	79.6	79.9	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4000	53.8	76.1	79.1	79.3	80.3	80.6	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3500	54.2	76.5	79.5	79.8	80.7	81.0	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 3000	58.4	81.0	84.2	84.5	85.5	85.7	85.7	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	63.9	87.1	91.0	91.3	92.4	92.8	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	65.9	89.3	94.4	95.0	96.7	97.1	97.1	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8
GE 1800	66.3	89.9	95.4	96.1	97.8	98.4	98.4	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 1500	66.3	89.9	95.4	96.1	97.8	98.4	98.4	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 1200	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 1000	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 900	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 800	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 700	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	66.3	89.9	95.7	96.3	98.1	98.8	98.8	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.3	61.8	70.6	72.5	76.6	77.8	77.9	78.4	78.9	79.0	79.0	79.2	79.3	79.4	79.4	79.7
GE 4500	35.4	61.9	70.6	72.5	76.6	77.8	77.9	78.5	78.9	79.0	79.0	79.3	79.4	79.4	79.4	79.7
GE 4000	35.7	62.3	71.2	73.1	77.2	78.4	78.5	79.1	79.5	79.6	79.7	79.9	80.0	80.0	80.1	80.4
GE 3500	36.2	62.7	71.7	73.6	77.7	78.9	79.0	79.6	80.0	80.1	80.2	80.4	80.5	80.5	80.6	80.9
GE 3000	39.0	65.7	75.1	77.1	81.3	82.5	82.7	83.2	83.7	83.7	83.8	84.1	84.2	84.2	84.2	84.6
GE 2500	44.5	71.6	81.7	83.8	88.5	90.0	90.2	90.8	91.3	91.3	91.5	91.7	91.8	91.9	91.9	92.2
GE 2000	46.9	74.0	85.4	87.7	93.0	94.7	94.9	95.6	96.1	96.2	96.3	96.6	96.7	96.7	96.8	97.1
GE 1800	47.3	74.5	86.1	88.5	94.0	95.8	96.0	96.9	97.4	97.5	97.6	97.9	98.0	98.1	98.1	98.4
GE 1500	47.4	74.6	86.3	88.7	94.5	96.4	96.6	97.5	98.1	98.2	98.4	98.6	98.7	98.8	98.9	99.2
GE 1200	47.4	74.6	86.4	88.8	94.6	96.6	96.8	97.7	98.4	98.4	98.6	98.9	99.1	99.1	99.2	99.5
GE 1000	47.4	74.6	86.4	88.9	94.7	96.7	96.9	97.8	98.5	98.6	98.8	99.1	99.3	99.3	99.4	99.7
GE 900	47.4	74.6	86.4	88.9	94.7	96.7	96.9	97.9	98.6	98.6	98.8	99.1	99.3	99.3	99.4	99.7
GE 800	47.4	74.6	86.5	88.9	94.7	96.7	96.9	97.9	98.6	98.7	98.9	99.2	99.3	99.4	99.5	99.8
GE 700	47.4	74.6	86.5	88.9	94.7	96.7	96.9	97.9	98.6	98.7	98.9	99.2	99.4	99.4	99.5	99.8
GE 600	47.4	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.7	98.9	99.3	99.4	99.5	99.5	99.8
GE 500	47.4	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	98.9	99.3	99.5	99.5	99.6	99.9
GE 400	47.4	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	98.9	99.3	99.5	99.5	99.6	99.9
GE 300	47.5	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	99.0	99.3	99.5	99.5	99.6	99.9
GE 200	47.5	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	99.0	99.3	99.5	99.5	99.6	99.9
GE 100	47.5	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	99.0	99.3	99.5	99.5	99.6	99.9
GE 000	47.5	74.6	86.5	88.9	94.7	96.7	97.0	98.0	98.7	98.8	99.0	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 4552

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.5	44.3	57.2	59.4	67.1	71.1	71.6	74.4	76.9	76.9	77.0	77.6	77.6	77.6	77.8	78.2
GE 4500	23.5	44.3	57.2	59.4	67.1	71.1	71.6	74.4	76.9	76.9	77.0	77.6	77.6	77.6	77.8	78.2
GE 4000	24.3	45.3	58.2	60.4	68.1	72.1	72.7	75.4	77.9	77.9	78.1	78.7	78.7	78.7	78.8	79.2
GE 3500	24.4	45.5	58.5	60.7	68.4	72.4	73.0	75.7	78.2	78.2	78.4	78.9	78.9	78.9	79.1	79.5
GE 3000	26.2	47.2	60.2	62.6	70.9	75.0	75.6	79.1	81.6	81.6	81.7	82.3	82.3	82.3	82.5	82.9
GE 2500	28.1	49.3	64.0	66.8	76.3	81.3	81.9	86.0	88.7	88.7	88.9	89.5	89.5	89.5	89.6	90.1
GE 2000	28.5	50.1	66.2	69.3	79.5	84.8	85.4	89.9	93.0	93.0	93.1	93.7	93.7	93.7	93.9	94.3
GE 1800	28.9	50.6	66.7	69.7	80.6	86.1	86.8	91.7	94.9	94.9	95.0	95.6	95.6	95.6	95.8	96.2
GE 1500	29.1	50.7	67.5	70.6	81.9	87.7	88.5	93.6	96.8	96.8	97.1	97.7	97.8	97.8	98.0	98.4
GE 1200	29.1	50.7	67.7	70.8	82.2	88.0	88.7	94.0	97.2	97.2	97.5	98.1	98.2	98.2	98.4	98.8
GE 1000	29.1	50.7	67.8	70.9	82.5	88.5	89.2	94.7	98.0	98.0	98.2	98.8	99.0	99.0	99.1	99.6
GE 900	29.1	50.7	67.8	70.9	82.5	88.5	89.2	94.7	98.0	98.0	98.2	98.8	99.0	99.0	99.1	99.6
GE 800	29.1	50.7	67.8	71.1	82.6	88.6	89.3	94.9	98.1	98.1	98.4	99.0	99.1	99.1	99.3	99.7
GE 700	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 600	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 500	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 400	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 300	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 200	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 100	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0
GE 000	29.1	50.7	68.0	71.3	82.9	88.9	89.6	95.2	98.4	98.4	98.7	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 684

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.6	47.9	61.2	64.9	71.1	72.8	73.0	74.2	74.6	74.6	74.9	75.1	75.2	75.2	75.3	75.3
GE 4500	26.6	47.9	61.2	64.9	71.1	72.8	73.0	74.2	74.6	74.6	74.9	75.1	75.2	75.2	75.3	75.3
GE 4000	27.3	48.6	62.0	65.8	72.0	73.8	74.1	75.3	75.6	75.6	75.9	76.1	76.2	76.2	76.3	76.4
GE 3500	28.0	49.4	62.8	66.6	72.9	74.7	74.9	76.1	76.5	76.5	76.8	77.0	77.1	77.1	77.1	77.2
GE 3000	30.1	51.5	65.2	69.0	75.7	77.5	77.7	78.9	79.3	79.3	79.6	79.8	79.9	79.9	80.0	80.1
GE 2500	33.8	55.7	70.5	74.8	83.0	85.3	85.5	87.2	87.5	87.5	87.8	88.0	88.2	88.2	88.3	88.4
GE 2000	36.2	58.0	74.7	79.4	88.2	90.9	91.2	93.1	93.7	93.7	94.0	94.2	94.3	94.3	94.4	94.5
GE 1800	36.5	58.3	75.3	80.1	89.2	92.4	92.6	94.8	95.5	95.5	95.8	96.0	96.1	96.1	96.2	96.3
GE 1500	36.5	58.3	75.6	80.3	89.9	93.5	93.8	96.1	96.9	96.9	97.3	97.5	97.8	97.8	97.9	97.9
GE 1200	36.5	58.3	75.7	80.4	90.2	94.1	94.4	96.7	97.6	97.6	97.9	98.2	98.5	98.5	98.5	98.6
GE 1000	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.3	98.4	98.4	98.8	99.1	99.4	99.4	99.5	99.6
GE 900	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.3	98.4	98.4	98.8	99.1	99.4	99.4	99.5	99.6
GE 800	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.3	98.4	98.4	98.8	99.1	99.4	99.4	99.5	99.6
GE 700	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.3	98.5	98.5	98.9	99.2	99.5	99.5	99.6	99.7
GE 600	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.3	98.5	98.5	98.9	99.2	99.5	99.5	99.6	99.7
GE 500	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.5	98.5	99.0	99.3	99.6	99.6	99.7	99.7
GE 400	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.5	98.5	99.0	99.3	99.6	99.6	99.7	99.7
GE 300	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.6	98.6	99.1	99.4	99.7	99.7	99.7	99.8
GE 200	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.6	98.6	99.1	99.4	99.7	99.7	99.7	99.8
GE 100	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.6	98.6	99.1	99.4	99.7	99.7	99.9	100.0
GE 000	36.6	58.4	75.8	80.5	90.4	94.3	94.7	97.4	98.6	98.6	99.1	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1168

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.2	50.1	56.2	57.7	60.3	60.7	60.9	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 4500	34.4	50.3	56.4	57.9	60.5	60.9	61.1	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
GE 4000	35.2	51.1	57.1	58.6	61.2	61.9	62.0	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
GE 3500	35.8	51.7	58.0	59.5	62.1	62.8	63.0	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
GE 3000	39.4	55.4	61.8	63.3	66.2	66.9	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
GE 2500	53.8	70.1	77.2	79.3	83.3	84.0	84.4	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
GE 2000	60.1	76.5	85.5	87.7	92.3	93.4	93.9	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 1800	60.9	77.6	86.9	89.2	94.2	95.7	96.2	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9
GE 1500	61.1	77.8	87.2	89.6	94.7	96.6	97.0	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3
GE 1200	61.1	77.8	87.2	89.6	94.9	96.8	97.3	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 1000	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 900	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 800	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 700	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 600	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 500	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	61.2	77.9	87.3	89.7	95.0	97.1	97.6	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1075

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE F CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		43.6	59.0	63.2	63.5	65.0	65.5	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4500		43.6	59.0	63.2	63.5	65.0	65.5	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4000		44.3	59.6	63.9	64.3	65.9	66.4	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 3500		44.9	60.2	64.7	65.1	66.7	67.2	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 3000		49.9	65.3	69.9	70.5	72.1	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2500		65.1	80.7	86.1	86.9	88.7	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2000		70.0	85.7	92.2	93.3	96.2	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800		70.6	86.3	93.0	94.2	97.3	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500		70.7	86.4	93.2	94.5	98.0	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200		70.7	86.4	93.2	94.5	98.0	99.1	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 1000		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 900		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 800		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 700		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000		70.7	86.4	93.2	94.5	98.1	99.3	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1132

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		54.7	70.6	73.4	73.6	74.1	74.5	74.5	74.6	74.9	75.0	75.0	75.3	75.3	75.3	75.3	75.3
GE 4500		54.9	70.9	73.7	73.8	74.4	74.7	74.7	74.9	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5
GE 4000		55.3	71.5	74.4	74.5	75.0	75.4	75.4	75.5	75.8	75.9	75.9	76.2	76.2	76.2	76.2	76.2
GE 3500		56.2	72.4	75.3	75.4	75.9	76.3	76.3	76.4	76.7	76.8	76.8	77.1	77.1	77.1	77.1	77.1
GE 3000		59.7	75.9	79.0	79.3	79.8	80.2	80.2	80.3	80.6	80.7	80.7	81.0	81.0	81.0	81.0	81.0
GE 2500		69.8	86.4	89.9	90.2	91.1	91.7	91.7	92.0	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6
GE 2000		73.6	90.3	94.4	95.1	96.4	97.3	97.3	97.5	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3
GE 1800		73.8	90.5	94.7	95.3	96.8	97.7	97.7	97.9	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7
GE 1500		73.8	90.5	94.7	95.5	97.2	98.6	98.6	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 1200		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 1000		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 900		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 800		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 700		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 600		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 500		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 400		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 300		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 200		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 100		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 000		74.1	90.8	94.9	95.7	97.4	98.8	98.8	99.2	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 772

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.3	54.1	61.9	63.6	67.2	68.4	68.7	69.5	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.5
GE 4500	36.4	54.2	62.0	63.7	67.3	68.5	68.8	69.6	70.2	70.2	70.3	70.4	70.5	70.5	70.5	70.6
GE 4000	37.1	54.9	62.8	64.5	68.1	69.4	69.7	70.5	71.1	71.1	71.2	71.4	71.4	71.4	71.4	71.5
GE 3500	37.7	55.6	63.6	65.2	68.9	70.2	70.5	71.3	71.9	71.9	72.0	72.2	72.2	72.2	72.2	72.3
GE 3000	41.0	58.9	67.0	68.8	72.7	74.1	74.3	75.3	75.8	75.8	75.9	76.1	76.1	76.1	76.2	76.3
GE 2500	50.5	68.7	77.9	80.0	84.7	86.4	86.7	87.9	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.9
GE 2000	54.3	72.7	83.2	85.6	91.1	93.0	93.3	94.7	95.4	95.4	95.5	95.7	95.8	95.8	95.8	95.9
GE 1800	54.8	73.2	83.9	86.4	92.2	94.4	94.8	96.3	97.1	97.1	97.2	97.4	97.4	97.4	97.5	97.6
GE 1500	54.9	73.3	84.2	86.8	92.9	95.5	95.8	97.5	98.4	98.4	98.6	98.7	98.8	98.8	98.9	99.0
GE 1200	54.9	73.3	84.3	86.8	93.1	95.8	96.1	97.8	98.8	98.8	98.9	99.1	99.2	99.2	99.3	99.4
GE 1000	55.0	73.4	84.4	86.9	93.2	96.0	96.4	98.2	99.2	99.2	99.3	99.6	99.6	99.6	99.7	99.8
GE 900	55.0	73.4	84.4	86.9	93.2	96.0	96.4	98.2	99.2	99.2	99.3	99.6	99.6	99.6	99.7	99.8
GE 800	55.0	73.4	84.4	86.9	93.3	96.0	96.4	98.2	99.2	99.2	99.4	99.6	99.7	99.7	99.7	99.8
GE 700	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9
GE 600	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9
GE 500	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.8	99.9
GE 400	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.8	99.9
GE 300	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.9	100.0
GE 200	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.9	100.0
GE 100	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.9	100.0
GE 000	55.0	73.4	84.4	87.0	93.3	96.1	96.4	98.3	99.3	99.3	99.5	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4831

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	25.1	53.2	70.2	73.4	80.3	82.4	82.6	84.8	84.8	85.0	85.0	85.3	85.3	85.3	85.3	85.5
GE 4500	25.1	53.2	70.2	73.4	80.3	82.4	82.6	84.8	84.8	85.0	85.0	85.3	85.3	85.3	85.3	85.5
GE 4000	25.2	53.3	70.4	73.6	80.4	82.5	82.8	85.0	85.0	85.1	85.1	85.4	85.4	85.4	85.4	85.7
GE 3500	25.2	53.3	70.5	73.7	80.6	82.8	83.1	85.3	85.3	85.4	85.4	85.7	85.7	85.7	85.7	86.0
GE 3000	26.0	54.3	72.3	75.9	83.1	85.3	85.5	87.9	87.9	88.0	88.0	88.3	88.3	88.3	88.3	88.6
GE 2500	27.1	55.8	74.5	78.4	86.5	88.7	89.0	91.5	91.5	91.6	91.6	91.9	91.9	91.9	91.9	92.1
GE 2000	28.2	57.0	76.4	80.4	89.1	92.8	93.1	95.9	95.9	96.0	96.1	96.4	96.4	96.4	96.4	96.7
GE 1800	28.2	57.0	76.7	80.7	89.5	93.3	93.7	96.7	96.7	96.8	97.1	97.4	97.4	97.4	97.4	97.7
GE 1500	28.2	57.0	77.1	81.1	89.9	93.7	94.1	97.2	97.2	97.4	97.7	97.9	97.9	97.9	97.9	98.2
GE 1200	28.2	57.0	77.4	81.4	90.4	94.1	94.5	97.8	97.8	97.9	98.2	98.5	98.5	98.5	98.5	98.8
GE 1000	28.2	57.0	77.4	81.4	90.4	94.2	94.6	98.1	98.1	98.2	98.5	98.8	98.8	98.8	98.8	99.0
GE 900	28.2	57.0	77.4	81.4	90.5	94.4	94.8	98.2	98.2	98.3	98.6	98.9	98.9	98.9	98.9	99.2
GE 800	28.2	57.0	77.5	81.7	90.8	94.6	95.0	98.5	98.5	98.6	98.9	99.2	99.2	99.2	99.2	99.4
GE 700	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 600	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 500	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 400	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 300	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 200	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 100	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0
GE 000	28.2	57.0	77.8	82.0	91.2	95.0	95.5	99.0	99.0	99.2	99.4	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		26.4	54.1	69.3	71.9	78.4	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500		26.4	54.1	69.3	71.9	78.4	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000		27.0	54.7	69.9	72.5	79.2	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500		27.4	55.1	70.4	73.0	79.8	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3000		29.0	56.7	73.1	75.9	83.0	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500		32.2	60.0	77.5	80.6	88.8	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2000		35.3	63.2	82.1	85.3	94.0	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800		35.7	63.6	82.7	86.0	94.9	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500		35.7	63.7	83.2	86.5	95.7	97.9	97.9	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200		35.7	63.7	83.2	86.6	96.0	98.3	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000		35.8	63.8	83.3	86.7	96.2	98.6	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900		35.8	63.8	83.3	86.7	96.2	98.6	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800		35.8	63.8	83.3	86.7	96.2	98.6	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700		35.8	63.8	83.3	86.7	96.2	98.7	98.7	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 600		35.8	63.8	83.3	86.8	96.4	98.8	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		35.8	63.8	83.3	86.8	96.4	98.9	98.9	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTL NUMBER OF OBSERVATIONS 1187

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	40.4	60.8	67.6	68.4	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4500	40.5	60.9	67.7	68.5	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	40.9	61.4	68.1	69.0	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	41.3	61.8	68.7	69.6	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	45.6	66.4	73.9	74.8	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 2500	55.7	77.2	86.0	87.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0
GE 2000	61.6	83.5	93.0	94.2	96.9	97.5	97.5	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
GE 1800	62.0	83.8	93.6	94.9	97.8	98.4	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 1500	62.2	84.0	93.8	95.1	98.0	98.7	98.7	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 1200	62.2	84.0	93.8	95.1	98.2	98.8	98.8	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
GE 1000	62.4	84.2	94.0	95.3	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 900	62.4	84.2	94.0	95.3	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 800	62.4	84.2	94.0	95.3	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 700	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	62.4	84.2	94.1	95.4	98.7	99.4	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1113

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00	
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000	49.6	67.4	70.4	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4500	49.6	67.4	70.4	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4000	50.0	68.1	71.2	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3500	51.0	69.1	72.2	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 3000	57.0	75.3	78.9	79.3	79.8	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2500	67.5	85.9	90.0	90.5	91.1	91.4	91.4	91.4	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	72.3	91.1	95.5	96.1	97.6	98.3	98.3	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	72.7	91.6	96.3	96.9	98.6	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.8	91.7	96.5	97.1	98.8	99.6	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1122

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN FEET		GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		60.9	78.4	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500		61.0	78.6	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000		61.9	79.5	81.8	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3500		62.3	79.9	82.2	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000		64.7	82.2	84.8	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2500		71.7	89.2	92.3	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000		74.8	92.3	96.0	96.9	97.9	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800		75.1	92.6	96.6	97.5	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500		75.1	92.6	96.8	97.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1200		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000		75.3	92.9	97.0	97.9	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 770

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	40.1	62.3	71.1	72.4	75.5	76.1	76.1	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7
GE 4500	40.1	62.4	71.1	72.5	75.5	76.1	76.2	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
GE 4000	40.6	62.9	71.7	73.1	76.2	76.8	76.9	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4
GE 3500	41.1	63.4	72.3	73.7	76.8	77.5	77.5	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000	44.3	66.8	76.3	77.9	81.3	82.1	82.1	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
GE 2500	51.0	73.7	84.2	86.0	89.9	90.7	90.8	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.5
GE 2000	54.8	77.8	89.0	90.9	95.4	96.8	96.8	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6
GE 1800	55.2	78.1	89.6	91.5	96.2	97.6	97.7	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6
GE 1500	55.2	78.2	89.9	91.8	96.6	98.0	98.1	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1
GE 1200	55.3	78.3	90.0	91.9	96.8	98.3	98.4	99.1	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4
GE 1000	55.3	78.3	90.0	92.0	96.9	98.5	98.5	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 900	55.3	78.3	90.0	92.0	97.0	98.5	98.6	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7
GE 800	55.3	78.3	90.0	92.0	97.0	98.5	98.6	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 700	55.3	78.3	90.1	92.1	97.1	98.6	98.7	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9
GE 600	55.3	78.3	90.1	92.1	97.1	98.7	98.7	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 500	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 400	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 300	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 200	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0
GE 000	55.3	78.3	90.1	92.1	97.1	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4918

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.1	58.0	73.4	77.6	84.2	87.0	87.3	89.8	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3
GE 4500	23.1	58.0	73.4	77.6	84.2	87.0	87.3	89.8	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3
GE 4000	23.1	58.0	73.4	77.6	84.2	87.0	87.3	89.8	90.0	90.0	90.0	90.3	90.5	90.5	90.5	90.5
GE 3500	23.3	58.1	73.6	77.9	84.5	87.3	87.6	90.0	90.3	90.3	90.3	90.6	90.8	90.8	90.8	90.8
GE 3000	24.2	59.2	74.7	78.9	85.5	88.3	88.6	91.1	91.4	91.4	91.4	91.7	91.8	91.8	91.8	91.8
GE 2500	25.0	60.2	76.4	80.7	87.6	90.5	90.8	93.6	94.0	94.0	94.0	94.3	94.4	94.4	94.4	94.4
GE 2000	25.2	60.5	77.3	81.8	89.6	92.7	93.0	96.0	96.5	96.5	96.5	96.8	96.9	96.9	96.9	96.9
GE 1800	25.2	60.5	77.5	82.0	89.9	93.3	93.6	96.6	97.2	97.2	97.2	97.5	97.7	97.7	97.7	97.7
GE 1500	25.2	60.5	77.7	82.4	90.3	93.7	94.0	97.1	97.7	97.7	97.7	98.0	98.1	98.1	98.1	98.1
GE 1200	25.2	60.5	77.7	82.4	90.8	94.3	94.7	97.8	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8
GE 1000	25.3	60.6	78.0	82.7	91.1	95.2	95.6	98.7	99.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7
GE 900	25.3	60.6	78.0	82.7	91.1	95.2	95.6	98.7	99.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7
GE 800	25.3	60.6	78.0	82.7	91.1	95.2	95.6	98.7	99.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7
GE 700	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 600	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 500	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 400	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 300	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 200	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	100.0
GE 100	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	100.0
GE 000	25.3	60.6	78.0	82.7	91.2	95.3	95.8	98.8	99.4	99.4	99.4	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 683

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.1	57.1	73.5	76.6	81.6	83.4	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	23.1	57.1	73.5	76.6	81.6	83.4	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	23.2	57.3	73.8	76.9	82.0	83.8	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3500	23.4	57.5	74.1	77.2	82.2	84.0	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	24.4	58.6	75.8	79.2	84.7	86.6	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2500	26.7	61.1	79.7	83.4	89.7	91.9	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	28.3	62.7	82.1	86.1	93.0	95.4	96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	28.4	62.9	82.3	86.4	93.3	95.8	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	28.4	62.9	82.3	86.4	93.3	95.9	96.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	28.6	63.1	82.6	86.7	93.6	96.2	97.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	28.7	63.3	82.9	87.0	93.9	96.4	97.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	28.7	63.3	82.9	87.0	93.9	96.4	97.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1097

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 12-14

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.1	66.7	77.3	79.5	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 4500	35.1	66.7	77.3	79.5	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 4000	35.3	67.0	77.8	80.0	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
GE 3500	35.6	67.3	78.1	80.3	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
GE 3000	37.1	69.0	80.5	82.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	42.8	74.9	87.3	89.7	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
GE 2000	44.6	76.7	90.4	92.9	97.2	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 1800	44.6	76.7	90.5	93.1	97.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 1500	44.6	76.8	90.9	93.5	97.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 1200	44.7	76.9	91.0	93.6	98.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 1000	44.7	76.9	91.0	93.6	98.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 900	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 800	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	44.7	76.9	91.0	93.6	98.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1018

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	43.5	77.1	85.5	86.3	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4500	43.5	77.1	85.5	86.3	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4000	44.2	77.8	86.2	87.0	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3500	44.7	78.3	86.8	87.6	88.4	88.6	88.6	88.6	88.6	8.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3000	46.9	80.6	89.5	90.5	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GE 2500	51.6	85.3	94.9	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.3
GE 2000	52.5	86.2	95.9	96.9	97.9	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6
GE 1800	52.6	86.3	96.0	97.0	98.0	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8
GE 1500	52.6	86.3	96.0	97.1	98.3	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
GE 1200	52.6	86.3	96.2	97.3	98.5	98.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 1000	52.6	86.3	96.4	97.5	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 900	52.6	86.3	96.4	97.5	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 800	52.6	86.3	96.4	97.5	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 700	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	52.6	86.3	96.4	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 985

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: -NOV 74 - OCT 89
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	48.3	83.6	90.3	91.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	48.3	83.6	90.3	91.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	48.9	84.1	91.2	92.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	49.5	84.7	91.9	93.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3000	50.7	85.9	93.4	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	51.7	86.9	94.9	96.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	52.3	87.5	95.4	97.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	52.4	87.7	95.7	97.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	52.4	87.7	95.7	97.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	52.4	87.7	95.9	97.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	52.4	87.7	95.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	52.4	87.7	95.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 700	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	52.6	87.8	96.0	97.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 681

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.2	67.9	79.5	81.8	85.1	86.1	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
GE 4500	34.2	67.9	79.5	81.8	85.1	86.1	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
GE 4000	34.5	68.2	80.0	82.3	85.6	86.6	86.7	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 3500	34.8	68.6	80.5	82.7	86.0	87.0	87.1	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
GE 3000	36.2	70.1	82.4	84.8	88.3	89.3	89.4	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1
GE 2500	39.4	73.4	86.6	89.2	93.1	94.2	94.4	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.2
GE 2000	40.5	74.5	88.4	91.1	95.4	96.8	97.0	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 1800	40.6	74.6	88.5	91.3	95.7	97.2	97.4	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6
GE 1500	40.6	74.6	88.6	91.5	95.9	97.4	97.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 1200	40.7	74.7	88.8	91.6	96.2	97.7	98.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 1000	40.7	74.8	89.0	91.8	96.4	98.0	98.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
GE 900	40.7	74.8	89.0	91.8	96.4	98.0	98.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 800	40.7	74.8	89.0	91.8	96.4	98.0	98.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9
GE 700	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 600	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 500	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 400	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 300	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 200	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
G 100	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 000	40.7	74.8	89.0	91.8	96.4	98.1	98.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4464

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	20.4	55.4	75.6	79.3	88.3	91.2	91.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7	93.2
GE 4500	20.4	55.4	75.6	79.3	88.3	91.2	91.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7	93.2
GE 4000	20.4	55.4	75.7	79.4	88.4	91.3	91.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.8	93.4
GE 3500	20.7	55.7	76.1	79.9	88.8	91.7	91.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.8
GE 3000	20.7	55.7	76.1	80.0	89.8	92.7	92.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.8
GE 2500	21.7	56.7	77.5	81.5	92.3	95.4	95.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.7
GE 2000	21.9	57.0	77.8	81.8	92.6	96.1	96.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9	98.5
GE 1800	21.9	57.0	77.8	81.8	92.7	96.3	96.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.6
GE 1500	21.9	57.0	77.8	81.8	92.8	96.4	96.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.9
GE 1200	21.9	57.0	77.8	81.8	93.0	96.6	96.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6	99.2
GE 1000	21.9	57.0	77.8	81.9	93.1	96.7	96.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.8	99.3
GE 900	21.9	57.0	77.8	81.9	93.1	96.7	96.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.8	99.4
GE 800	21.9	57.0	77.8	81.9	93.1	96.7	96.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.8	99.4
GE 700	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 600	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 500	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 400	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 300	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 200	21.9	57.0	77.8	81.9	93.2	97.1	97.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.9
GE 100	21.9	57.0	77.8	81.9	93.4	97.2	97.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	100.0
GE 000	21.9	57.0	77.8	81.9	93.4	97.2	97.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 725

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	17.1	55.4	75.2	80.8	89.2	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500	17.1	55.4	75.2	80.8	89.2	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	17.1	55.4	75.2	80.8	89.3	91.6	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5
GE 3500	17.2	55.5	75.5	81.3	89.9	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
GE 3000	17.8	56.1	76.5	82.4	91.6	94.0	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
GE 2500	18.8	57.1	78.0	83.9	93.9	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
GE 2000	18.9	57.2	78.3	84.3	94.7	97.3	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	18.9	57.2	78.3	84.3	94.7	97.3	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	18.9	57.2	78.4	84.3	94.9	97.7	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 1200	18.9	57.2	78.4	84.3	94.9	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	18.9	57.2	78.4	84.3	94.9	97.7	98.2	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3
GE 900	18.9	57.2	78.4	84.3	94.9	97.7	98.2	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3
GE 800	18.9	57.2	78.4	84.3	94.9	97.7	98.2	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.4	99.4
GE 700	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8
GE 600	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9
GE 500	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
GE 400	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
GE 300	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
GE 200	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
GE 100	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
GE 000	18.9	57.2	78.7	84.8	95.4	98.1	98.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1162

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	24.0	66.8	81.6	87.0	93.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	24.0	66.8	81.6	87.0	93.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	24.3	67.1	81.9	87.4	93.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	24.5	67.3	82.2	87.6	93.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	24.8	67.6	82.6	88.0	94.4	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	26.2	69.1	84.8	90.4	97.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	26.5	69.4	85.2	90.8	97.9	99.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	26.5	69.4	85.3	90.9	98.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1068

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		34.6	83.7	91.0	94.5	96.5	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500		34.6	83.7	91.0	94.5	96.5	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4000		34.8	83.9	91.1	94.6	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500		34.9	83.9	91.2	94.9	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000		35.6	84.7	92.0	95.7	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500		36.4	85.5	93.3	97.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		36.4	85.5	93.4	97.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1084

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN KILOMETERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.7	87.8	95.5	96.6	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4500	35.7	87.8	95.5	96.6	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	35.9	87.9	95.7	96.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	36.1	88.2	95.9	97.1	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	36.7	88.7	96.5	97.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	36.8	88.8	96.6	97.8	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	36.9	89.0	96.7	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL HOURS: ALL

CEILING		VISIBILITY IN METERS														
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.0	69.5	83.5	87.5	93.0	94.4	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
GE 4500	26.0	69.5	83.5	87.5	93.0	94.4	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
GE 4000	26.2	69.6	83.6	87.7	93.2	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 3500	26.4	69.8	83.9	88.1	93.6	94.9	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
GE 3000	26.8	70.2	84.5	88.7	94.5	96.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 2500	27.7	71.2	85.8	90.3	96.5	98.1	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 2000	27.9	71.3	86.1	90.5	96.9	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 1800	27.9	71.3	86.1	90.5	97.0	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 1500	27.9	71.3	86.1	90.5	97.0	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 1200	27.9	71.3	86.1	90.5	97.1	98.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7
GE 1000	27.9	71.3	86.1	90.6	97.1	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 900	27.9	71.3	86.1	90.6	97.1	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 800	27.9	71.3	86.1	90.6	97.1	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8
GE 700	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 600	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 500	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 400	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 300	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 200	27.9	71.3	86.2	90.7	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 100	27.9	71.3	86.2	90.7	97.2	99.0	99.1	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 000	27.9	71.3	86.2	90.7	97.2	99.0	99.1	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4800

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 06-08

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		18.9	59.6	77.9	82.6	90.2	93.3	93.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
GE 4500		18.9	59.6	77.9	82.6	90.2	93.3	93.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
GE 4000		18.9	59.6	78.0	82.7	90.3	93.4	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1
GE 3500		18.9	59.6	78.0	82.7	90.3	93.4	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1
GE 3000		19.5	60.2	78.8	83.7	91.5	94.7	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5
GE 2500		19.9	60.7	80.1	85.0	93.0	96.6	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
GE 2000		19.9	60.7	80.1	85.1	93.2	97.2	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
GE 1800		19.9	60.7	80.4	85.4	93.4	97.5	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
GE 1500		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 1200		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 1000		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 900		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 800		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 700		19.9	60.7	80.6	85.7	93.8	97.9	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 600		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 500		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 400		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 300		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 200		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 100		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 000		19.9	60.7	80.6	85.7	93.8	97.9	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 774

I

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	14.2	54.0	75.7	81.0	91.0	92.3	92.	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4500	14.2	54.0	75.7	81.0	91.0	92.3	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4000	14.2	54.0	76.1	81.4	91.4	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	14.2	54.0	76.2	81.5	91.5	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	14.9	54.7	77.4	82.8	92.9	94.6	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2500	16.1	55.9	79.1	84.6	95.4	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	16.3	56.1	79.5	85.0	96.1	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	16.3	56.1	79.6	85.2	96.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	16.3	56.1	79.8	85.4	96.5	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	16.3	56.1	79.8	85.4	96.5	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	16.3	56.1	79.8	85.4	96.5	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1189

OPERATING LOCATION "A"
USFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN

PERIOD OF RECORD: NOV 74 - OCT 89

LST TO UTC: - 1

MONTH: AUG HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		23.9	68.9	84.1	87.5	91.4	91.7	91.8	91.8	91.8	91.8	91.9	92.1	92.1	92.1	92.1	92.1
GE 4500		24.0	68.9	84.2	87.6	91.5	91.8	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2
GE 4000		24.3	69.3	84.8	88.2	92.1	92.5	92.5	92.5	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8
GE 3500		24.5	69.5	85.0	88.4	92.4	92.7	92.8	92.8	92.8	92.8	92.9	93.1	93.1	93.1	93.1	93.1
GE 3000		26.0	71.0	86.9	90.2	94.2	94.6	94.7	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9
GE 2500		27.9	72.9	89.8	93.4	97.9	98.3	98.4	98.4	98.4	98.4	98.5	98.8	98.8	98.8	98.8	98.8
GE 2000		28.6	73.6	90.9	94.5	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 1800		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 1500		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 1200		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 1000		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 900		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 800		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 700		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 600		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 500		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 400		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 300		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 200		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 100		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0
GE 000		28.6	73.6	90.9	94.5	99.0	99.6	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1127

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: 15-17

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.4	86.3	91.4	93.3	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	36.4	86.3	91.4	93.3	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	36.5	86.5	91.6	93.5	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	36.8	86.8	91.9	93.8	94.9	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	38.7	88.7	94.0	96.0	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	40.3	90.5	95.8	97.9	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	40.4	90.6	96.1	98.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	40.4	90.6	96.3	98.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1155

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: -AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	43.2	91.9	95.6	96.4	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4500	43.2	91.9	95.6	96.4	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	43.3	92.0	95.8	96.7	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	43.6	92.2	96.1	96.9	97.8	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3000	43.8	92.5	96.4	97.3	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	44.7	93.5	97.5	98.4	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	44.8	93.6	97.7	98.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 812

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.8	71.6	84.7	88.0	92.7	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2
GE 4500	26.8	71.6	84.7	88.0	92.8	93.7	93.8	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2
GE 4000	27.0	71.8	85.1	88.3	93.1	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6
GE 3500	27.1	71.9	85.2	88.5	93.3	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GE 3000	28.2	73.0	86.6	89.9	94.8	95.8	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
GE 2500	29.4	74.4	88.4	91.9	97.0	98.3	98.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 2000	29.7	74.6	88.8	92.3	97.6	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE 1800	29.7	74.6	88.9	92.4	97.7	99.1	99.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 1500	29.7	74.6	89.0	92.5	97.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 1200	29.7	74.6	89.0	92.5	97.8	99.2	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 1000	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 900	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 800	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	29.7	74.6	89.0	92.5	97.8	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5057

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN

PERIOD OF RECORD: NOV 74 - OCT 89

LST TO UTC: - 1

MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.9	55.0	76.2	82.2	91.3	93.7	93.7	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	21.9	55.0	76.2	82.2	91.3	93.7	93.7	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	22.1	55.2	76.7	82.7	91.8	94.1	94.1	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	22.3	55.3	76.8	82.8	92.0	94.3	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	22.3	56.7	78.2	84.4	93.5	96.3	96.3	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	23.6	57.0	78.8	85.0	94.3	97.1	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	24.3	57.7	79.6	85.8	95.2	98.1	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	24.3	57.7	79.6	85.8	95.2	98.1	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	24.3	57.7	79.6	85.8	95.2	98.3	98.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	24.3	57.7	79.6	85.9	95.4	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	24.3	57.8	79.8	86.1	95.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	24.3	57.8	79.8	86.1	95.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	24.3	57.8	79.8	86.1	95.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	24.3	57.8	79.8	86.1	95.5	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 647

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	15.6	42.8	72.7	80.0	90.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
GE 4500	15.6	42.8	72.7	80.0	90.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
GE 4000	15.9	43.2	73.1	80.5	91.1	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7
GE 3500	16.2	43.4	73.4	80.8	91.4	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 3000	17.7	44.9	75.3	82.7	93.6	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4
GE 2500	18.6	46.0	77.0	84.5	95.7	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.9
GE 2000	19.0	46.3	77.5	85.0	96.6	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.2
GE 1800	19.1	46.4	77.9	85.4	97.0	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.7
GE 1500	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.9
GE 1200	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.9
GE 1000	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.9
GE 900	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.9
GE 800	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 700	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 600	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 500	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 400	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 300	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 200	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 100	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 000	19.2	46.5	78.0	85.5	97.1	98.8	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1068

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	27.0	60.7	81.8	85.7	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6
GE 4500	27.0	60.7	81.8	85.7	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6
GE 4000	27.8	61.7	83.1	87.0	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
GE 3500	28.0	61.9	83.4	87.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
GE 3000	29.6	63.5	85.6	89.4	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
GE 2500	33.6	67.6	90.3	94.1	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 2000	34.2	68.2	91.0	94.9	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 1800	34.3	68.3	91.2	95.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1500	34.3	68.3	91.2	95.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1200	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1000	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 900	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 800	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 700	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 600	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 500	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 400	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	34.4	68.4	91.3	95.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 997

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	46.8	83.2	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	46.8	83.2	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4000	47.2	83.7	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3500	47.7	84.2	91.9	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	50.6	87.3	95.2	96.0	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	53.6	90.3	98.2	99.0	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	53.8	90.5	98.4	99.2	99.6	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	53.9	90.6	98.5	99.3	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1052

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		58.4	91.5	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500		58.4	91.5	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000		58.7	92.0	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500		58.9	92.2	97.0	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3000		59.9	93.2	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500		60.7	94.0	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000		60.7	94.0	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800		60.7	94.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500		60.7	94.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200		60.7	94.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		60.7	94.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.3	65.9	83.3	87.0	91.7	92.3	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4500	33.3	65.9	83.3	87.0	91.7	92.3	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	33.7	66.4	83.9	87.7	92.4	93.0	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	34.0	66.7	84.3	88.0	92.7	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
GE 3000	35.7	68.5	86.3	90.1	95.0	95.7	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	37.7	70.6	88.7	92.5	97.5	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 2000	38.1	70.9	89.2	93.0	98.1	99.0	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 1800	38.1	71.0	89.3	93.2	98.3	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8
GE 1500	38.2	71.0	89.4	93.2	98.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
GE 1200	38.2	71.0	89.4	93.2	98.4	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 1000	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 900	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 800	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 700	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 600	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 500	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 400	38.2	71.0	89.4	93.2	98.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
G 300	38.2	71.0	89.4	93.3	98.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	38.2	71.0	89.4	93.3	98.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	38.2	71.0	89.4	93.3	98.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	38.2	71.0	89.4	93.3	98.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4497

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 06-08

CEILING		VISIBILITY IN METERS														
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000		30.5	64.2	79.2	81.7	86.9	89.0	89.2	89.8	90.2	90.2	90.3	90.3	90.3	90.5	90.5
GE 4500		30.5	64.2	79.2	81.7	86.9	89.0	89.2	89.8	90.2	90.2	90.3	90.3	90.3	90.5	90.5
GE 4000		30.5	64.2	79.2	81.7	86.9	89.0	89.2	89.8	90.2	90.2	90.3	90.3	90.3	90.5	90.5
GE 3500		30.8	64.6	79.5	82.0	87.3	89.3	89.5	90.2	90.5	90.5	90.7	90.7	90.7	90.8	90.8
GE 3000		31.7	65.4	80.5	83.1	88.5	90.5	90.7	91.4	91.7	91.7	91.9	91.9	91.9	92.0	92.0
GE 2500		32.9	66.9	82.5	85.8	91.7	93.7	93.9	94.9	95.4	95.4	95.6	95.8	95.8	95.9	95.9
GE 2000		33.2	67.3	83.4	86.6	92.9	95.1	95.3	96.3	96.8	96.8	96.9	97.1	97.1	97.3	97.3
GE 1800		33.6	67.6	84.1	87.3	93.6	95.9	96.1	97.1	97.6	97.6	97.8	98.0	98.0	98.1	98.1
GE 1500		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.3	98.3	98.5	98.5
GE 1200		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.3	98.3	98.5	98.5
GE 1000		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 900		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 800		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 700		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 600		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 500		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 400		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 300		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 200		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 100		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6
GE 000		33.6	67.6	84.2	87.5	93.7	96.1	96.3	97.3	98.0	98.0	98.1	98.5	98.5	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 590

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.0	50.3	72.2	75.9	84.0	85.0	85.2	86.4	86.5	86.5	86.5	86.5	86.6	86.7	86.7	87.2
GE 4500	21.0	50.3	72.2	75.9	84.0	85.0	85.2	86.4	86.5	86.5	86.5	86.5	86.6	86.7	86.7	87.2
GE 4000	21.3	50.8	72.6	76.4	84.4	85.4	85.7	86.8	86.9	86.9	86.9	86.9	87.0	87.1	87.1	87.6
GE 3500	21.5	50.9	72.8	76.5	84.6	85.6	85.9	87.0	87.1	87.1	87.1	87.1	87.2	87.3	87.3	87.8
GE 3000	22.7	52.2	74.6	78.4	86.9	87.9	88.2	89.3	89.4	89.4	89.4	89.5	89.6	89.7	89.7	90.2
GE 2500	24.2	54.0	77.5	81.7	91.0	92.2	92.5	93.9	94.0	94.0	94.0	94.0	94.1	94.2	94.2	94.8
GE 2000	25.2	55.0	78.8	83.1	92.9	94.4	94.9	96.4	96.7	96.7	96.7	96.8	96.9	97.0	97.0	97.5
GE 1800	25.5	55.3	79.5	83.9	93.8	95.3	95.8	97.4	97.7	97.7	97.8	97.9	98.0	98.0	98.0	98.6
GE 1500	25.5	55.3	79.5	84.0	93.9	95.6	96.1	98.0	98.4	98.5	98.6	98.7	98.8	98.8	98.8	99.4
GE 1200	25.5	55.3	79.5	84.0	94.0	95.6	96.2	98.1	98.5	98.6	98.7	98.8	98.8	98.9	98.9	99.5
GE 1000	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.3	99.8
GE 900	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.3	99.8
GE 800	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	99.9
GE 700	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	99.9
GE 600	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	99.9
GE 500	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0
GE 400	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0
GE 300	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0
GE 200	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0
GE 100	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0
GE 000	25.5	55.3	79.5	84.1	94.0	95.7	96.3	98.3	98.7	98.8	98.9	99.1	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1125

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 2000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.0	65.9	76.4	78.9	81.8	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
GE 4500	34.0	65.9	76.4	78.9	81.8	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
GE 4000	34.5	66.4	77.1	79.6	82.5	83.2	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4
GE 3500	34.6	66.6	77.2	79.8	82.6	83.3	83.3	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6
GE 3000	37.9	70.0	81.0	83.7	86.7	87.4	87.4	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
GE 2500	41.9	74.1	85.9	88.7	92.2	93.0	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	44.3	76.6	88.9	91.7	95.7	97.0	97.0	97.4	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 1800	44.5	76.8	89.3	92.6	96.6	98.1	98.1	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0
GE 1500	44.5	76.8	89.4	92.6	96.9	98.4	98.6	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 1200	44.5	76.8	89.4	92.6	97.1	98.6	98.8	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 1000	44.5	76.8	89.4	92.6	97.1	98.6	98.8	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 900	44.5	76.8	89.4	92.6	97.1	98.6	98.8	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 800	44.5	76.8	89.4	92.6	97.1	98.6	98.8	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 700	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	44.5	76.8	89.4	92.6	97.2	98.7	98.8	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1129

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	49.0	75.6	79.6	80.3	81.3	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4500	49.0	75.6	79.6	80.3	81.3	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	49.3	76.0	80.0	80.7	81.7	81.9	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 3500	49.9	76.5	80.6	81.3	82.3	82.5	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	52.8	79.4	83.7	84.4	86.1	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 2500	59.5	86.3	91.3	92.0	94.1	94.4	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	61.9	88.9	94.1	95.0	97.5	97.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 1800	62.1	89.1	94.3	95.3	98.1	98.5	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 1500	62.2	89.2	94.4	95.4	98.3	98.7	98.8	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 1200	62.2	89.4	94.7	95.7	98.6	98.9	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 1000	62.2	89.4	94.7	95.7	98.6	98.9	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 900	62.2	89.4	94.7	95.7	98.6	98.9	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 800	62.3	89.5	94.8	95.8	98.7	99.0	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 700	62.3	89.5	94.8	95.8	98.7	99.0	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 600	62.3	89.5	94.8	95.8	98.7	99.0	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 500	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	62.4	89.6	94.9	95.9	98.8	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1040

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	49.2	79.6	82.7	83.6	84.5	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4500	49.2	79.6	82.7	83.6	84.5	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4000	49.9	80.4	83.6	84.4	85.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3500	50.7	81.2	84.4	85.2	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	53.7	84.2	87.9	88.9	90.3	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	57.1	87.8	91.9	93.2	94.7	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	59.3	90.0	94.8	96.2	97.7	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	59.5	90.1	95.1	96.6	98.2	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	59.5	90.1	95.2	96.7	98.4	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	59.5	90.1	95.2	96.7	98.5	99.2	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	59.5	90.1	95.2	96.7	98.6	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.2	66.2	77.4	79.6	83.3	84.1	84.2	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	85.1
GE 4500	36.2	66.2	77.4	79.6	83.3	84.1	84.2	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	85.1
GE 4000	36.5	66.7	77.9	80.1	83.8	84.6	84.7	85.2	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.7
GE 3500	36.9	67.1	78.3	80.5	84.2	85.0	85.1	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8	86.0
GE 3000	39.3	69.4	81.1	83.3	87.4	88.2	88.3	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.3
GE 2500	42.8	73.2	85.6	88.1	92.7	93.6	93.7	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.8
GE 2000	44.6	75.1	87.9	90.4	95.4	96.5	96.7	97.3	97.6	97.7	97.7	97.7	97.8	97.8	97.9	98.1
GE 1800	44.8	75.3	88.3	91.0	96.1	97.3	97.5	98.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	99.1
GE 1500	44.8	75.3	88.4	91.1	96.3	97.6	97.8	98.6	99.0	99.1	99.1	99.2	99.2	99.3	99.3	99.6
GE 1200	44.8	75.3	88.4	91.2	96.4	97.7	97.9	98.7	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.7
GE 1000	44.8	75.3	88.4	91.2	96.5	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.9
GE 900	44.8	75.3	88.4	91.2	96.5	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.9
GE 800	44.8	75.4	88.4	91.2	96.5	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.9
GE 700	44.8	75.4	88.4	91.2	96.5	97.8	98.0	98.9	99.3	99.3	99.4	99.5	99.6	99.6	99.7	99.9
GE 600	44.8	75.4	88.4	91.2	96.5	97.8	98.0	98.9	99.3	99.3	99.4	99.5	99.6	99.6	99.7	99.9
GE 500	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0
GE 400	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0
GE 300	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0
GE 200	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0
GE 100	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0
GE 000	44.9	75.4	88.5	91.3	96.6	97.8	98.0	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4614

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 06-08

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	24.1	55.3	70.6	73.9	78.1	77.6	79.7	82.3	83.2	83.2	83.6	84.3	84.3	84.3	84.7	85.0
GE	4500	24.1	55.3	70.6	73.9	78.1	79.6	79.7	82.3	83.2	83.2	83.6	84.3	84.3	84.3	84.7	85.0
GE	4000	24.3	55.5	70.8	74.1	78.3	79.7	79.9	82.5	83.4	83.4	83.8	84.5	84.5	84.5	84.9	85.2
GE	3500	24.6	55.8	71.2	74.5	78.6	80.1	80.3	82.8	83.8	83.8	84.1	84.9	84.9	84.9	85.2	85.6
GE	3000	25.5	56.8	72.3	75.5	79.9	81.6	81.8	84.3	85.2	85.2	85.6	86.3	86.3	86.3	86.7	87.0
GE	2500	27.9	59.7	76.3	79.7	85.0	86.7	86.9	89.6	90.5	90.5	90.9	91.6	91.6	91.6	92.0	92.3
GE	2000	28.8	60.8	78.1	81.9	88.5	91.1	91.2	94.0	94.9	94.9	95.3	96.0	96.0	96.0	96.4	96.7
GE	1800	29.0	60.9	78.5	82.5	89.1	91.8	92.2	94.9	95.8	95.8	96.2	96.9	96.9	96.9	97.3	97.6
GE	1500	29.2	61.1	79.7	83.8	90.5	93.2	93.6	96.4	97.3	97.3	97.6	98.4	98.4	98.4	98.7	99.1
GE	1200	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.5	98.5	98.5	98.9	99.3
GE	1000	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	900	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	800	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	700	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	600	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	500	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.3	99.6
GE	400	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.5	99.8
GE	300	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.5	99.8
GE	200	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.5	99.8
GE	100	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.5	99.8
GE	000	29.2	61.1	79.7	83.8	90.5	93.4	93.8	96.5	97.4	97.4	97.8	98.7	98.7	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 548

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HGURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	18.4	41.1	60.4	65.6	76.3	78.8	79.3	82.0	82.8	82.9	83.2	83.5	83.6	83.6	84.1	85.2
GE 4500	18.4	41.1	60.4	65.6	76.3	78.8	79.3	82.0	82.8	82.9	83.2	83.5	83.6	83.6	84.1	85.2
GE 4000	18.9	41.7	61.0	66.2	76.9	79.4	79.9	82.6	83.5	83.5	83.8	84.2	84.3	84.3	84.7	85.8
GE 3500	19.5	42.3	61.7	66.9	77.8	80.4	80.9	83.7	84.5	84.6	84.9	85.3	85.4	85.4	85.8	86.9
GE 3000	20.3	43.1	63.1	68.4	79.4	82.0	82.5	85.4	86.2	86.3	86.5	86.9	87.0	87.0	87.4	88.5
GE 2500	22.9	45.8	66.5	71.9	83.1	85.7	86.3	89.1	89.9	90.0	90.3	90.8	90.9	90.9	91.3	92.4
GE 2000	24.0	47.0	68.7	74.4	85.6	88.3	88.9	92.1	93.0	93.1	93.6	94.0	94.1	94.1	94.6	95.7
GE 1800	24.1	47.1	69.1	74.8	86.2	89.0	89.8	93.2	94.1	94.2	94.8	95.3	95.4	95.4	95.8	96.9
GE 1500	24.1	47.2	69.4	75.2	86.7	89.8	90.6	94.4	95.3	95.4	96.2	96.9	97.0	97.0	97.6	98.6
GE 1200	24.1	47.2	69.4	75.2	86.7	90.0	90.8	94.6	95.5	95.6	96.4	97.1	97.2	97.2	97.7	98.8
GE 1000	24.1	47.2	69.4	75.3	86.8	90.1	90.9	94.7	95.6	95.7	96.5	97.2	97.3	97.3	97.8	98.9
GE 900	24.1	47.2	69.4	75.3	86.8	90.1	90.9	94.7	95.6	95.7	96.5	97.2	97.3	97.3	97.8	98.9
GE 800	24.1	47.2	69.4	75.3	86.9	90.3	91.1	94.9	95.8	96.0	96.8	97.6	97.7	97.7	98.3	99.4
GE 700	24.1	47.2	69.4	75.3	86.9	90.4	91.2	95.0	95.9	96.1	97.0	97.8	97.9	97.9	98.5	99.5
GE 600	24.1	47.2	69.4	75.3	86.9	90.4	91.2	95.0	95.9	96.1	97.0	97.8	97.9	97.9	98.5	99.5
GE 500	24.1	47.2	69.4	75.3	86.9	90.4	91.2	95.1	96.0	96.2	97.1	97.9	98.0	98.0	98.6	99.6
GE 400	24.1	47.2	69.4	75.3	86.9	90.4	91.2	95.1	96.0	96.2	97.1	97.9	98.0	98.0	98.6	99.6
GE 300	24.1	47.2	69.4	75.3	86.9	90.4	91.2	95.1	96.0	96.2	97.1	97.9	98.0	98.1	98.6	99.7
GE 200	24.1	47.2	69.4	75.3	86.9	90.5	91.3	95.2	96.1	96.3	97.2	98.0	98.1	98.3	98.8	99.9
GE 100	24.1	47.2	69.4	75.3	86.9	90.5	91.3	95.2	96.1	96.3	97.2	98.0	98.1	98.3	98.8	99.9
GE 000	24.1	47.2	69.4	75.3	86.9	90.5	91.3	95.2	96.1	96.3	97.2	98.0	98.1	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1106

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 12-14

CEILING In FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	32.1	58.2	73.0	75.6	79.6	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
GE 4500	32.1	58.3	73.1	75.7	79.7	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
GE 4000	32.7	58.8	73.7	76.3	80.4	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
GE 3500	33.5	59.6	74.7	77.4	81.4	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 3000	35.4	61.7	76.8	79.5	83.6	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	38.4	64.7	80.5	83.3	87.6	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
GE 2000	41.9	68.4	86.0	89.0	94.0	95.0	95.1	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.9
GE 1800	42.2	68.7	86.7	89.8	95.0	96.1	96.2	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4
GE 1500	42.4	68.9	87.0	90.1	95.5	96.8	96.9	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.6
GE 1200	42.4	68.9	87.2	90.4	95.9	97.2	97.3	98.2	98.6	98.6	98.6	98.9	98.9	98.9	98.9	99.0
GE 1000	42.6	69.0	87.5	90.7	96.3	97.6	97.7	98.8	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.6
GE 900	42.6	69.0	87.5	90.7	96.3	97.6	97.7	98.8	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.6
GE 800	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 700	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 600	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 500	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 400	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 300	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 200	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 100	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0
GE 000	42.6	69.0	87.5	90.7	96.4	97.7	97.8	98.9	99.4	99.5	99.5	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1095

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	41.4	71.3	75.8	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	41.4	71.3	75.8	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 4000	41.8	71.9	76.4	77.2	78.0	78.2	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	42.6	72.7	77.2	77.9	78.8	79.0	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3
GE 3000	45.2	75.3	80.1	80.9	81.9	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 2500	52.2	82.3	87.6	88.3	89.3	89.6	89.6	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	55.5	85.7	92.0	92.9	94.5	95.2	95.2	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	56.2	86.3	92.7	93.8	95.9	96.7	96.7	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	56.5	86.7	93.4	94.5	96.8	97.7	97.7	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1
GE 1200	56.7	86.9	93.6	94.7	96.9	98.0	98.0	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5	99.5
GE 1000	5.7	86.9	93.6	94.7	97.0	98.3	98.3	99.4	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9
GE 900	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.4	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9
GE 800	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 700	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 600	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 500	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 400	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 300	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 200	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 100	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0
GE 000	56.7	86.9	93.6	94.7	97.0	98.3	98.3	99.5	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1047

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	41.8	76.8	79.0	80.1	81.1	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4500	41.8	76.8	79.0	80.1	81.1	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4000	42.1	77.1	79.3	80.4	81.4	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	42.8	77.7	80.0	81.1	82.1	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	45.7	80.6	83.2	84.3	85.3	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	49.0	84.3	87.5	88.8	89.7	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2000	50.5	85.7	89.9	91.2	93.1	94.4	94.6	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2
GE 1800	51.3	86.5	90.9	92.1	94.6	95.8	96.0	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6
GE 1500	51.8	87.0	91.7	92.9	96.0	97.4	97.6	98.1	98.1	98.1	98.2	98.4	98.4	98.4	98.6	98.6
GE 1200	51.9	87.2	91.8	93.1	96.5	97.9	98.1	98.6	98.6	98.6	98.7	98.9	98.9	99.0	99.2	99.2
GE 1000	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.2	99.2	99.2	99.4	99.5	99.5	99.7	99.8	99.8
GE 900	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.2	99.2	99.2	99.4	99.5	99.5	99.7	99.8	99.8
GE 800	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 700	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 600	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 500	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 400	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 300	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 200	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 100	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0
GE 000	51.9	87.2	91.8	93.3	97.0	98.6	98.7	99.4	99.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 624

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.2	59.3	71.1	73.8	78.3	79.4	79.5	80.7	81.0	81.0	81.2	81.4	81.4	81.4	81.5	81.9
GE 4500	31.2	59.3	71.1	73.8	78.3	79.4	79.5	80.7	81.0	81.1	81.2	81.4	81.4	81.4	81.6	81.9
GE 4000	31.7	59.8	71.6	74.3	78.8	79.9	80.1	81.3	81.6	81.6	81.7	81.9	81.9	81.9	82.1	82.4
GE 3500	32.4	60.5	72.3	75.0	79.6	80.7	80.9	82.1	82.4	82.4	82.6	82.8	82.8	82.8	82.9	83.3
GE 3000	34.2	62.3	74.5	77.2	81.9	83.1	83.2	84.4	84.8	84.8	84.9	85.1	85.1	85.1	85.3	85.6
GE 2500	38.0	66.3	79.1	82.0	86.9	88.1	88.2	89.4	89.8	89.8	90.0	90.2	90.2	90.2	90.3	90.7
GE 2000	40.2	68.6	82.7	85.7	91.2	92.8	93.0	94.5	94.9	94.9	95.1	95.4	95.4	95.4	95.5	95.9
GE 1800	40.6	69.0	83.3	86.4	92.2	93.9	94.2	95.8	96.3	96.3	96.5	96.8	96.8	96.8	97.0	97.3
GE 1500	40.9	69.3	83.9	87.0	93.1	94.9	95.2	97.0	97.5	97.5	97.8	98.2	98.5	98.3	98.5	98.8
GE 1200	40.9	69.3	84.0	87.2	93.3	95.2	95.5	97.4	97.8	97.9	98.1	98.5	98.6	98.6	98.8	99.1
GE 1000	41.0	69.4	84.1	87.3	93.5	95.5	95.8	97.7	98.2	98.2	98.5	98.9	99.0	99.0	99.2	99.5
GE 900	41.0	69.4	84.1	87.3	93.5	95.5	95.8	97.7	98.2	98.2	98.5	98.9	99.0	99.0	99.2	99.5
GE 800	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.8	98.3	98.4	98.7	99.2	99.2	99.2	99.5	99.8
GE 700	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.3	98.4	98.7	99.2	99.3	99.3	99.5	99.8
GE 600	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.3	98.4	98.7	99.2	99.3	99.3	99.5	99.8
GE 500	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.3	98.4	98.8	99.2	99.3	99.3	99.5	99.9
GE 400	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.3	98.4	98.8	99.2	99.3	99.3	99.5	99.9
GE 300	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.3	98.4	98.8	99.2	99.3	99.3	99.6	99.9
GE 200	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.4	98.4	98.8	99.3	99.3	99.4	99.6	100.0
GE 100	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.4	98.4	98.8	99.3	99.3	99.4	99.6	100.0
GE 000	41.0	69.4	84.1	87.3	93.5	95.6	95.9	97.9	98.4	98.4	98.8	99.3	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 4420

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 08390

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 06-08

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	22.0	52.2	65.5	69.6	75.4	76.7	76.9	78.2	79.5	79.5	79.7	80.6	80.6	80.6	81.3	82.8
GE	4500	22.0	52.2	65.5	69.6	75.4	76.7	76.9	78.2	79.5	79.5	79.7	80.6	80.6	80.6	81.3	82.8
GE	4000	22.4	52.6	66.2	70.3	76.1	77.4	77.6	78.9	80.2	80.2	80.4	81.3	81.3	81.3	81.9	83.4
GE	3500	22.4	52.6	66.2	70.3	76.1	77.4	77.6	78.9	80.2	80.2	80.4	81.3	81.3	81.3	81.9	83.4
GE	3000	23.5	53.7	67.5	71.6	77.2	79.1	79.3	80.6	81.9	81.9	82.1	83.0	83.0	83.0	83.6	85.1
GE	2500	26.9	57.8	72.6	77.4	84.3	85.6	85.8	87.1	88.6	88.6	88.8	89.7	89.7	89.7	90.3	91.8
GE	2000	28.4	59.5	76.1	81.3	89.9	91.2	91.4	92.7	94.2	94.2	94.4	95.3	95.3	95.3	95.9	97.4
GE	1800	28.7	59.7	76.5	81.7	90.7	92.0	92.2	93.5	95.0	95.0	95.3	96.1	96.1	96.1	96.8	98.3
GE	1500	28.7	59.7	77.2	82.3	91.6	92.9	93.1	94.4	96.1	96.1	96.3	97.2	97.2	97.2	97.8	99.4
GE	1200	28.7	59.7	77.2	82.3	91.6	92.9	93.1	94.4	96.1	96.1	96.3	97.2	97.2	97.2	97.8	99.4
GE	1000	28.7	59.7	77.2	82.3	91.6	92.9	93.1	94.4	96.1	96.1	96.3	97.2	97.2	97.2	97.8	99.4
GE	900	28.7	59.7	77.2	82.3	91.6	92.9	93.1	94.4	96.1	96.1	96.3	97.2	97.2	97.2	97.8	99.4
GE	800	28.7	59.7	77.2	82.3	91.6	92.9	93.1	94.4	96.1	96.1	96.3	97.2	97.2	97.2	97.8	99.6
GE	700	28.7	59.9	77.4	82.5	91.8	93.1	93.3	94.6	96.3	96.3	96.6	97.4	97.4	97.4	98.1	99.8
GE	600	28.7	59.9	77.4	82.5	91.8	93.1	93.3	94.6	96.3	96.3	96.6	97.4	97.4	97.4	98.1	99.8
GE	500	28.7	59.9	77.4	82.5	91.8	93.1	93.3	94.6	96.3	96.3	96.6	97.4	97.4	97.4	98.1	99.8
GE	400	28.7	59.9	77.4	82.5	91.8	93.1	93.3	94.6	96.3	96.3	96.6	97.4	97.4	97.4	98.1	99.8
GE	300	28.7	59.9	77.4	82.5	91.8	93.1	93.3	94.6	96.3	96.3	96.6	97.4	97.4	97.4	98.1	99.8
GE	200	28.9	60.1	77.6	82.8	92.0	93.3	93.5	94.8	96.6	96.6	96.8	97.6	97.6	97.6	98.3	100.0
GE	100	28.9	60.1	77.6	82.8	92.0	93.3	93.5	94.8	96.6	96.6	96.8	97.6	97.6	97.6	98.3	100.0
GE	000	28.9	60.1	77.6	82.8	92.0	93.3	93.5	94.8	96.6	96.6	96.8	97.6	97.6	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 464

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		20.8	38.8	54.0	58.8	67.9	70.7	71.2	73.5	74.7	74.7	74.9	75.3	75.6	75.7	75.9	77.1
GE 4500		20.8	38.8	54.0	58.8	67.9	70.7	71.2	73.5	74.7	74.7	74.9	75.3	75.6	75.7	75.9	77.1
GE 4000		21.1	39.0	54.4	59.3	68.4	71.2	71.8	74.1	75.2	75.2	75.5	75.9	76.1	76.2	76.4	77.6
GE 3500		21.1	39.1	54.6	59.5	68.5	71.4	72.0	74.4	75.5	75.5	75.8	76.1	76.4	76.5	76.7	77.9
GE 3000		21.8	40.0	56.6	61.6	70.9	73.8	74.4	77.0	78.1	78.1	78.4	78.7	79.0	79.1	79.3	80.5
GE 2500		25.1	43.4	61.1	66.4	76.8	79.9	80.5	83.8	85.0	85.0	85.4	85.8	86.0	86.1	86.3	87.5
GE 2000		27.1	45.5	64.2	69.7	81.4	85.3	85.8	89.7	90.9	90.9	91.4	91.9	92.1	92.2	92.4	93.6
GE 1800		27.5	46.1	64.9	70.4	82.7	86.6	87.1	91.2	92.5	92.5	93.2	93.6	94.0	94.1	94.3	95.5
GE 1500		27.8	46.3	66.0	71.5	83.8	88.3	88.9	93.2	94.6	94.6	95.3	95.7	96.1	96.2	96.4	97.6
GE 1200		27.8	46.3	66.0	71.5	84.0	88.4	89.1	93.4	94.9	94.9	95.6	96.0	96.4	96.5	96.7	97.9
GE 1000		27.8	46.3	66.0	71.5	84.1	88.5	89.2	93.8	95.5	95.5	96.1	96.7	97.0	97.1	97.3	98.5
GE 900		27.8	46.3	66.0	71.5	84.1	88.5	89.2	93.8	95.5	95.5	96.1	96.7	97.0	97.1	97.3	98.5
GE 800		27.8	46.3	66.0	71.5	84.1	88.5	89.2	93.8	95.6	95.6	96.2	96.8	97.1	97.2	97.5	99.0
GE 700		27.8	46.3	66.0	71.6	84.2	88.6	89.3	93.9	95.7	95.7	96.3	96.9	97.2	97.3	97.6	99.1
GE 600		27.8	46.3	66.0	71.6	84.2	88.6	89.3	93.9	95.7	95.7	96.4	96.9	97.3	97.4	97.7	99.2
GE 500		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.7	98.0	99.4
GE 400		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.8	98.1	99.5
GE 300		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.8	98.1	99.8
GE 200		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.8	98.1	99.8
GE 100		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.8	98.1	99.8
GE 000		27.8	46.3	66.0	71.7	84.3	88.7	89.4	94.0	95.7	95.8	96.7	97.2	97.6	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1081

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 12-14

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	28.3	49.4	62.1	65.9	72.5	74.2	74.6	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.2	76.6
GE 4500	28.3	49.4	62.1	65.9	72.5	74.2	74.6	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.2	76.6
GE 4000	28.9	49.9	62.6	66.4	73.0	74.8	75.1	76.3	76.5	76.5	76.6	76.7	76.7	76.7	76.8	77.2
GE 3500	29.5	50.5	63.5	67.3	73.9	75.7	76.0	77.2	77.4	77.4	77.5	77.6	77.6	77.6	77.7	78.1
GE 3000	31.1	52.2	65.4	69.2	76.0	77.8	78.2	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.9	80.3
GE 2500	35.2	56.5	71.0	75.0	82.1	84.1	84.5	86.0	86.1	86.1	86.3	86.5	86.5	86.5	86.6	86.9
GE 2000	37.8	59.2	75.0	79.1	87.7	90.1	90.6	92.2	92.4	92.4	92.6	92.9	92.9	92.9	93.0	93.3
GE 1800	38.4	59.8	76.1	80.3	89.1	91.7	92.1	93.8	94.0	94.0	94.2	94.6	94.6	94.6	94.8	95.2
GE 1500	38.8	60.2	77.3	81.4	90.6	93.4	93.9	95.7	95.9	95.9	96.2	96.5	96.5	96.5	96.8	97.2
GE 1200	38.9	60.3	77.4	81.6	90.8	93.7	94.1	96.0	96.2	96.2	96.4	97.0	97.0	97.0	97.2	97.6
GE 1000	38.9	60.3	77.5	81.7	90.9	93.9	94.3	96.2	96.4	96.4	96.6	97.2	97.2	97.2	97.5	97.9
GE 900	38.9	60.3	77.5	81.7	90.9	93.9	94.3	96.3	96.4	96.4	96.7	97.3	97.3	97.3	97.6	98.0
GE 800	38.9	60.3	77.5	81.7	90.9	93.9	94.3	96.4	96.9	96.9	97.2	97.8	97.8	97.8	98.0	98.4
GE 700	38.9	60.3	77.5	81.7	90.9	93.9	94.3	96.6	97.2	97.2	97.5	98.2	98.2	98.2	98.5	98.8
GE 600	38.9	60.3	77.5	81.7	91.0	94.0	94.4	96.7	97.4	97.4	97.8	98.5	98.5	98.5	98.8	99.1
GE 500	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.8	97.5	97.5	98.0	98.8	98.8	98.8	99.1	99.5
GE 400	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.9	97.6	97.6	98.0	98.8	98.9	98.9	99.3	99.6
GE 300	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.9	97.6	97.6	98.0	98.8	99.0	99.0	99.5	99.8
GE 200	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.9	97.6	97.6	98.0	98.8	99.0	99.0	99.5	99.8
GE 100	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.9	97.6	97.6	98.0	98.8	99.0	99.0	99.5	99.9
GE 000	38.9	60.3	77.5	81.7	91.1	94.0	94.5	96.9	97.6	97.6	98.0	98.9	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1126

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.3	66.9	72.4	73.4	74.9	75.1	75.2	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.7
GE 4500	38.3	66.9	72.4	73.4	74.9	75.1	75.2	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.7
GE 4000	38.5	67.1	72.8	73.8	75.4	75.6	75.7	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.2
GE 3500	39.1	67.7	73.3	74.4	76.0	76.2	76.3	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.8
GE 3000	41.2	70.0	76.1	77.2	78.8	79.0	79.1	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.6
GE 2500	48.2	77.5	84.2	85.4	87.1	87.5	87.6	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.1
GE 2000	52.6	82.0	90.3	91.9	94.2	95.1	95.2	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.8
GE 1800	53.3	82.7	91.3	92.9	95.4	96.2	96.3	96.8	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.1
GE 1500	54.1	83.5	92.1	93.8	96.3	97.2	97.3	97.8	97.9	97.9	97.9	98.0	98.2	98.2	98.2	98.3
GE 1200	54.2	83.6	92.2	93.9	96.5	97.4	97.5	98.1	98.2	98.2	98.2	98.3	98.5	98.5	98.5	98.6
GE 1000	54.2	83.6	92.3	94.0	96.6	97.6	97.7	98.4	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.9
GE 900	54.2	83.6	92.3	94.0	96.6	97.6	97.7	98.4	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.9
GE 800	54.2	83.6	92.3	94.0	96.6	97.6	97.7	98.4	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.9
GE 700	54.2	83.6	92.3	94.0	96.6	97.6	97.7	98.5	98.6	98.6	98.6	98.8	99.0	99.0	99.0	99.1
GE 600	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.6	98.8	98.8	98.9	99.4	99.6	99.6	99.6	99.7
GE 500	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.6	98.8	98.8	98.9	99.4	99.6	99.6	99.6	99.7
GE 400	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.7	98.9	98.9	99.0	99.5	99.7	99.7	99.7	99.8
GE 300	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.7	98.9	98.9	99.1	99.7	99.9	99.9	99.9	100.0
GE 200	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.7	98.9	98.9	99.1	99.7	99.9	99.9	99.9	100.0
GE 100	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.7	98.9	98.9	99.1	99.7	99.9	99.9	99.9	100.0
GE 000	54.2	83.6	92.3	94.0	96.7	97.7	97.8	98.7	98.9	98.9	99.1	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1013

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		43.6	72.3	76.5	77.0	78.3	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4500		43.6	72.3	76.5	77.0	78.3	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4000		43.8	72.4	76.6	77.2	78.5	78.5	78.5	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500		44.5	73.2	77.6	78.1	79.4	79.4	79.4	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000		47.1	75.7	81.0	81.6	83.0	83.0	83.0	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500		50.2	78.8	85.0	85.8	87.2	87.4	87.4	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000		53.3	81.9	90.5	91.4	93.8	94.2	94.2	95.1	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800		53.6	82.3	91.8	92.9	95.3	95.6	95.6	96.5	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500		54.6	83.1	93.2	94.3	97.1	97.4	97.4	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 900		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 800		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 700		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 600		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 500		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		54.6	83.2	93.2	94.5	97.3	97.6	97.6	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 548

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: DEC HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	30.1	54.1	64.7	67.7	73.0	74.3	74.6	75.8	76.3	76.3	76.4	76.7	76.7	76.7	76.9	77.5
GE 4500	30.1	54.1	64.7	67.7	73.0	74.3	74.6	75.8	76.3	76.3	76.4	76.7	76.7	76.7	76.9	77.5
GE 4000	30.4	54.5	65.1	68.2	73.4	74.8	75.1	76.3	76.8	76.8	76.9	77.2	77.2	77.3	77.4	78.0
GE 3500	30.8	54.9	65.7	68.7	74.0	75.4	75.7	76.8	77.4	77.4	77.5	77.7	77.8	77.8	78.0	78.6
GE 3000	32.4	56.5	68.0	71.0	76.5	77.9	78.2	79.4	80.0	80.0	80.1	80.3	80.4	80.4	80.6	81.2
GE 2500	36.7	61.2	73.7	76.9	82.8	84.4	84.7	86.2	86.8	86.8	87.0	87.3	87.3	87.4	87.5	88.1
GE 2000	39.6	64.2	78.0	81.6	88.7	90.7	91.0	92.8	93.4	93.4	93.6	94.0	94.0	94.0	94.2	94.8
GE 1800	40.1	64.7	79.0	82.6	89.9	92.0	92.3	94.2	94.8	94.8	95.1	95.4	95.6	95.6	95.8	96.4
GE 1500	40.6	65.2	80.0	83.6	91.2	93.5	93.8	95.8	96.5	96.5	96.8	97.1	97.3	97.3	97.5	98.1
GE 1200	40.6	65.2	80.1	83.7	91.4	93.7	94.0	96.0	96.8	96.8	97.0	97.4	97.6	97.6	97.8	98.4
GE 1000	40.6	65.2	80.1	83.8	91.4	93.8	94.1	96.2	97.0	97.0	97.3	97.7	97.9	97.9	98.1	98.7
GE 900	40.6	65.2	80.1	83.8	91.4	93.8	94.1	96.2	97.0	97.0	97.3	97.8	97.9	97.9	98.1	98.7
GE 800	40.6	65.2	80.1	83.8	91.4	93.8	94.1	96.3	97.2	97.2	97.5	97.9	98.0	98.1	98.3	99.0
GE 700	40.6	65.2	80.1	83.8	91.5	93.8	94.2	96.4	97.3	97.3	97.6	98.1	98.3	98.3	98.5	99.2
GE 600	40.6	65.2	80.1	83.8	91.5	93.9	94.2	96.5	97.4	97.5	97.8	98.3	98.5	98.5	98.7	99.4
GE 500	40.6	65.2	80.2	83.8	91.6	93.9	94.3	96.5	97.5	97.5	97.9	98.5	98.6	98.7	98.9	99.6
GE 400	40.6	65.2	80.2	83.8	91.6	93.9	94.3	96.6	97.6	97.6	98.0	98.6	98.7	98.8	99.0	99.7
GE 300	40.6	65.2	80.2	83.8	91.6	93.9	94.3	96.6	97.6	97.6	98.0	98.6	98.8	98.9	99.1	99.9
GE 200	40.6	65.3	80.2	83.9	91.6	94.0	94.3	96.6	97.6	97.6	98.1	98.7	98.8	98.9	99.1	99.9
GE 100	40.6	65.3	80.2	83.9	91.6	94.0	94.3	96.6	97.6	97.6	98.1	98.7	98.8	98.9	99.1	99.9
GE 000	40.6	65.3	80.2	83.9	91.6	94.0	94.3	96.6	97.6	97.6	98.1	98.7	98.9	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 4232

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	32.4	61.6	73.1	75.7	80.1	81.2	81.3	82.0	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.8
GE 4500	32.5	61.7	73.1	75.7	80.1	81.2	81.3	82.0	82.2	82.3	82.3	82.4	82.5	82.5	82.5	82.8
GE 4000	32.8	62.1	73.7	76.3	80.7	81.8	81.9	82.6	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.4
GE 3500	33.2	62.5	74.1	76.8	81.2	82.3	82.4	83.1	83.3	83.4	83.4	83.6	83.6	83.6	83.7	83.9
GE 3000	35.3	64.6	76.6	79.3	83.9	85.1	85.2	85.9	86.2	86.2	86.3	86.4	86.4	86.4	86.5	86.8
GE 2500	39.3	68.8	81.6	84.6	89.6	90.9	91.1	91.9	92.2	92.2	92.3	92.4	92.4	92.5	92.5	92.8
GE 2000	41.4	71.0	84.5	87.7	93.3	94.9	95.1	96.0	96.3	96.4	96.5	96.6	96.7	96.7	96.7	97.0
GE 1800	41.7	71.3	85.1	88.3	94.0	95.7	95.9	97.0	97.4	97.4	97.5	97.7	97.7	97.7	97.8	98.1
GE 1500	41.8	71.4	85.4	88.6	94.5	96.3	96.6	97.7	98.1	98.1	98.3	98.5	98.5	98.5	98.6	98.9
GE 1200	41.8	71.5	85.5	88.7	94.7	96.6	96.8	98.0	98.4	98.4	98.6	98.8	98.9	98.9	99.0	99.2
GE 1000	41.8	71.5	85.5	88.8	94.8	96.7	97.0	98.2	98.7	98.7	98.8	99.1	99.1	99.2	99.2	99.5
GE 900	41.8	71.5	85.5	88.8	94.8	96.7	97.0	98.3	98.7	98.7	98.9	99.1	99.2	99.2	99.3	99.5
GE 800	41.8	71.5	85.5	88.8	94.8	96.8	97.0	98.4	98.8	98.8	99.0	99.2	99.3	99.3	99.4	99.7
GE 700	41.8	71.5	85.5	88.8	94.9	96.8	97.1	98.4	98.9	98.9	99.0	99.3	99.4	99.4	99.5	99.8
GE 600	41.8	71.5	85.5	88.8	94.9	96.8	97.1	98.4	98.9	98.9	99.1	99.3	99.4	99.4	99.5	99.8
GE 500	41.8	71.5	85.6	88.8	94.9	96.9	97.1	98.5	98.9	99.0	99.1	99.4	99.5	99.5	99.6	99.9
GE 400	41.8	71.5	85.6	88.8	94.9	96.9	97.1	98.5	98.9	99.0	99.2	99.4	99.5	99.5	99.6	99.9
GE 300	41.8	71.5	85.6	88.8	94.9	96.9	97.1	98.5	99.0	99.0	99.2	99.4	99.5	99.5	99.6	99.9
GE 200	41.9	71.5	85.6	88.8	94.9	96.9	97.1	98.5	99.0	99.0	99.2	99.5	99.5	99.6	99.7	100.0
GE 100	41.9	71.5	85.6	88.8	94.9	96.9	97.1	98.5	99.0	99.0	99.2	99.5	99.5	99.6	99.7	100.0
GE 000	41.9	71.5	85.6	88.8	94.9	96.9	97.1	98.5	99.0	99.0	99.2	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 55050

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 110							.7	.2					.1
GE 105						1.2	2.2	2.9	.2				.5
GE 100						4.0	12.7	15.7	4.0				3.0
GE 95					3.4	15.8	43.9	46.5	17.0				10.6
GE 90					13.3	33.2	74.1	74.2	35.2	4.1			19.6
GE 85				2.4	29.9	54.2	90.2	89.4	60.3	16.2			28.6
GE 80	.5	.5	.9	9.2	46.8	72.8	97.6	98.6	82.3	37.0	1.5		37.3
GE 75	.5	1.6	8.9	24.1	64.1	87.4	99.5	100.0	95.0	59.1	7.0		45.6
GE 70	1.9	7.4	20.5	48.8	80.8	95.5	99.8		99.3	84.0	21.8	.7	55.1
GE 65	11.6	22.5	43.1	75.7	94.9	99.5	100.0		99.8	96.9	47.3	8.7	66.8
GE 60	45.7	56.1	79.5	93.9	99.3	100.0			100.0	100.0	82.8	42.6	83.4
GE 55	86.5	91.0	96.1	99.3	100.0						98.3	78.7	95.8
GE 50	98.1	99.5	99.8	99.8							99.8	96.6	99.5
GE 45	100.0	100.0	100.0	99.8							100.0	99.0	99.9
GE 40				100.0								100.0	100.0
MEAN	59.1	61.1	64.4	69.6	78.5	85.2	93.1	93.4	86.7	76.7	64.9	58.4	74.3
SD	4.72	5.50	6.27	6.97	9.15	8.87	6.27	6.45	7.50	7.14	5.92	4.85	14.22
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							1.2		.2				.1
GE 75						.2	5.5	2.9	2.0				.9
GE 70						2.7	18.7	21.2	8.5	.7			4.3
GE 65					3.4	22.3	51.3	57.6	37.7	4.8	.5		14.8
GE 60			.2	.5	14.8	55.7	84.9	87.7	74.6	27.6	2.3		29.0
GE 55	3.6	3.2	6.6	14.4	50.7	87.4	99.5	99.3	90.5	63.9	14.5	2.4	44.6
GE 50	19.8	14.8	31.2	52.4	85.0	99.5	100.0	100.0	98.3	89.1	39.8	14.8	62.1
GE 45	42.0	41.8	58.3	80.7	97.8	100.0			100.0	96.1	67.5	33.2	76.6
GE 40	64.3	70.9	84.3	95.5	100.0					98.5	88.3	60.0	88.6
GE 35	82.6	89.7	97.7	99.5						100.0	97.5	80.9	95.7
GE 33	87.2	93.4	99.5	100.0							99.0	89.6	97.4
GE 30	96.1	98.1	100.0								100.0	96.1	99.2
GE 25	100.0	100.0										99.3	99.9
GE 20												100.0	100.0
MEAN	42.3	42.9	45.9	49.0	54.4	60.3	65.0	65.5	62.6	56.0	47.5	41.6	52.8
SD	7.47	6.36	5.90	5.03	5.07	5.06	5.43	4.84	5.69	5.69	6.37	7.23	10.46
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95									.2				.0
GE 90						.2	2.4	.7	.2				.3
GE 85						2.5	13.2	14.5	3.7				2.8
GE 80					1.9	15.6	47.2	51.3	23.2	1.0			11.7
GE 75					11.2	41.1	83.0	84.8	49.9	6.1			23.0
GE 70			.5	1.4	33.5	70.3	99.3	99.3	84.0	27.1	.5		34.6
GE 65	.2	.8	2.3	14.4	59.2	90.8	100.0	100.0	96.3	67.8	6.8		44.8
GE 60	3.6	4.8	21.0	52.4	89.6	99.8			100.0	92.5	26.8	2.4	57.8
GE 55	24.9	32.8	56.3	84.7	99.3	100.0				98.1	65.0	22.3	73.8
GE 50	61.6	72.5	88.8	98.3	100.0					100.0	90.8	55.7	89.1
GE 45	88.6	92.9	99.3	99.8							99.0	86.0	97.2
GE 40	99.0	99.7	100.0	100.0							100.0	98.1	99.7
GE 35	100.0	100.0										99.5	100.0
GE 33												100.0	100.0
GE 30													
MEAN	51.0	52.2	55.4	59.6	66.7	73.0	79.3	79.7	74.9	66.6	56.4	50.2	63.8
SD	5.07	4.76	4.78	4.79	6.07	6.10	4.75	4.48	5.68	5.29	5.19	5.24	11.78
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			78	89	95	94	110	103	96	92	83	70	110*
59	81	69	73	79	94	97	107	101	97	90	79	67	107
60	74	82	80	82	96	105	104	100	100	79	71	65	105
61	64	77	84	85	98	98	101	104	97	89	77	72	104
62	71	71	66	82	94	97	103	109	103	92	72	69	109
63	65	62	70	79	86	98	99	104	97	92	76	65	104
64	67	68	76	88	96	101	103	103	103	91	75	67	103
65	68	68	80	85	97	108	100	111	97	84	73	65	111
66	67	70	75	80	90	104	104	104	102	84	68	67	104
67	66	72	78	83	97	97	112	102	93	90	73	65	112
68	70	72	76	79	92	108	106	106	99	88	76	67	108
69	67	65	71	83	86	97	103	103	86	85	77	61	103
70	66	70	75*	85*	96*	97*	101*	101*	106*	92*	83*	65*	106*
71	62*	71*	71*	71*	78*	95*	104*	98*	98*	93*	77*	66*	104*
72	62*	62*	7*	80*									80*
GREATEST	81	82	84	89	98	108	112	111	106	93	83	72	112
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

THE GREATEST VALUE OF 112 OCCURRED ON 07/20/67

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
UAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			35	36	48	52	56	55	59	47	40	40	35*
59	35	38	40	43	47	53	61	60	58	42	40	34	34
60	29	32	44	44	51	58	58	59	54	47	41	33	29
61	34	41	42	48	53	53	61	62	55	43	40	39	34
62	38	35	40	46	46	52	55	58	50	50	32	23	23
63	30	30	35	40	48	51	52	55	54	50	39	35	30
64	31	30	39	37	51	52	57	56	57	37	35	27	27
65	27	27	33	39	47	50	54	55	49	51	38	33	27
66	36	37	35	42	42	48	57	55	55	38	30	28	28
67	26	34	32	35	45	50	55	53	49	43	34	21	21
68	25	26	33	34	41	51	55	54	47	48	39	30	25
69	27	30	35	39	44	46	59	56	48	44	36	26	26
70	33	28	30*	33*	42*	57*	67*	67*	61*	47*	42*	29*	28*
71	33*	33*	35*	46*	51*	53*	66*	62*	62*	53*	33*	30*	30*
72	28*	35*	35*	46*									28*
LEAST	25	26	30	33	41	46	52	53	47	37	30	21	21
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

THE LEAST VALUE OF 21 OCCURRED ON 12/12/67

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: -01

PERIOD OF RECORD: 5803-7204
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
58			57	59	68	72	79	79	77	68	58	55	67*
59	56	52	56	60	64	74	80	80	74	66	58	53	65
60	51	55	58	63	69	77	80	78	75	63	59	49	65
61	50	58	61	62	71	75	31	83	76	66	57	56	67
62	54	53	55	61	67	73	78	83	79	70	53	50	65
63	52	49	54	59	65	71	79	78	73	69	60	54	64
64	52	53	55	58	71	74	79	80	80	64	55	47	64
65	48	49	56	60	70	76	75	80	70	66	56	51	63
66	54	54	54	60	69	74	78	79	75	63	50	48	63
67	47	52	57	57	64	70	78	78	72	66	56	45	62
68	46	52	53	58	64	73	79	78	73	68	57	50	62
69	52	50	54	58	63	70	79	79	69	66	55	46	62
70	53	50	51*	58*	66*	74*	85*	83*	82*	68*	61*	48*	64*
71	51*	52*	52*	58*	60*	69*	81*	79*	77*	74*	56*	50*	63*
72	48*	52*	54*	62*									54*
MEAN	51.0	52.2	55.4	59.6	66.7	73.0	79.3	79.7	74.9	66.6	56.4	50.2	63.8
TOTAL OBS	414	378	439	424	412	404	417	415	401	413	400	413	4930

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	41.4	7.595	492	0	53	0	0	0	492
09-11	44.5	7.386	1149	0	66	0	0	0	1149
12-14	54.2	5.231	1132	0	0	13	0	0	1132
15-17	58.6	5.089	1070	0	0	87	0	0	1070
18-20	56.7	4.887	609	0	0	27	0	0	609
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	51.7	8.800	4452	0	119	127	0	0	4452

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.7	7.006	475	0	33	0	0	0	475
09-11	47.8	6.737	1034	0	19	0	0	0	1034
12-14	56.8	5.120	1062	0	0	42	0	0	1062
15-17	60.3	5.421	1011	0	0	183	0	0	1011
18-20	59.1	5.388	664	0	0	81	0	0	664
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	54.3	8.478	4246	0	52	306	0	0	4246

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	44.8	5.617	540	0	3	0	0	0	540
09-11	52.0	5.967	1115	0	0	15	0	0	1115
12-14	61.7	6.001	1153	0	0	299	5	0	1153
15-17	65.4	6.854	1032	0	0	513	14	0	1032
18-20	64.7	7.060	739	0	0	336	15	0	739
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	58.7	9.585	4579	0	3	1163	34	0	4579

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	49.1	5.235	690	0	0	2	0	0	690
09-11	57.3	5.870	1176	0	0	112	0	0	1176
12-14	64.6	6.751	1080	0	0	479	21	0	1080
15-17	67.5	7.497	1132	0	0	656	70	0	1132
18-20	66.4	7.513	769	0	0	405	36	0	769
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	61.6	9.245	4847	0	0	1654	127	0	4847

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

HOURLS LST	MLAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	54.2	4.946	727	0	0	7	0	0	727
09-11	63.8	6.162	1181	0	0	462	9	0	1181
12-14	71.1	7.259	1106	0	0	867	163	0	1106
15-17	74.2	8.016	1110	0	0	967	264	10	1110
18-20	73.0	8.061	769	0	0	635	155	4	769
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	67.9	9.833	4893	0	0	2938	591	14	4893

MONTH: JUN

HOURLS LST	MLAN	STANDARD DEVIATION	TOTAL OBS	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	61.7	5.025	684	0	0	170	0	0	684
09-11	71.7	6.556	1092	0	0	926	154	1	1092
12-14	79.9	7.772	1019	0	0	992	512	52	1019
15-17	84.4	8.403	981	0	0	971	705	171	981
18-20	83.2	8.711	681	0	0	666	443	96	681
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	76.6	10.876	4457	0	0	3725	1814	320	4457

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	66.0	4.482	730	0	0	415	0	0	730
09-11	77.0	6.469	1165	0	0	1136	397	12	1165
12-14	86.6	7.238	1070	0	0	1070	876	226	1070
15-17	91.7	7.342	1079	0	0	1079	1011	523	1079
18-20	90.7	7.466	762	0	0	762	699	342	762
21-23	.0	.000	0		0	0	0	0	0
ALL HOURS	82.9	11.279	4806	0	0	4462	2983	1103	4806

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	66.8	4.118	774	0	0	511	3	0	774
09-11	77.0	6.014	1185	0	0	1166	376	13	1185
12-14	86.6	6.574	1124	0	0	1124	956	199	1124
15-17	91.3	6.834	1150	0	0	1150	1081	529	1150
18-20	90.2	6.930	814	0	0	814	754	325	814
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	83.0	10.741	5047	0	0	4765	3170	1066	5047

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	64.0	5.304	653	0	0	302	2	0	653
09-11	73.4	6.535	1068	0	0	970	183	1	1068
12-14	83.2	7.182	990	0	0	985	672	101	990
15-17	87.8	7.539	1046	0	0	1042	883	312	1046
18-20	85.8	7.655	731	0	0	728	565	164	731
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	79.6	10.828	4488	0	0	4027	2305	578	4488

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	56.2	6.285	588	0	0	38	0	0	588
09-11	63.1	7.040	1131	0	0	422	10	0	1131
12-14	72.6	7.172	1126	0	0	957	203	1	1126
15-17	76.5	7.615	1036	0	0	960	371	7	1036
18-20	74.5	7.641	735	0	0	646	200	2	735
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	69.4	10.103	4616	0	0	3023	784	10	4616

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL			
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	48.9	7.477	538	0	8	5	0	0	538
09-11	52.7	7.485	1106	0	5	39	0	0	1106
12-14	62.4	6.205	1096	0	0	345	3	0	1096
15-17	65.9	6.194	1041	0	0	538	24	0	1041
18-20	63.3	5.842	622	0	0	223	2	0	622
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	59.3	9.104	4403	0	13	1150	29	0	4403

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	44.4	7.890	459	0	23	0	0	0	459
09-11	47.1	7.818	1081	0	34	0	0	0	1081
12-14	56.4	5.708	1120	0	0	45	0	0	1120
15-17	60.2	5.240	1017	0	0	168	0	0	1017
18-20	57.0	4.795	546	0	0	20	0	0	546
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	53.7	8.693	4223	0	57	233	0	0	4223

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	54.7	10.656	7350	0	120	1450	5	0	7350
09-11	60.8	13.338	13483	0	124	5248	1129	27	13483
12-14	69.5	13.239	13078	0	0	7218	3411	579	13078
15-17	73.8	13.839	12705	0	0	8314	4423	1552	12705
18-20	73.0	14.042	8441	0	0	5343	2869	933	8441
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	66.9	14.897	55057	0	244	27573	11837	3091	55057

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	40.1	7.501	487	72	67	0	0	0	487
09-11	42.5	7.175	1145	93	224	0	0	0	1145
12-14	48.8	4.923	1124	6	544	0	0	0	1124
15-17	51.0	4.365	1063	2	756	0	0	0	1063
18-20	50.2	4.330	604	1	386	0	0	0	604
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	46.9	7.044	4423	174	1977	0	0	0	4423

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	42.5	6.934	474	40	70	0	0	0	474
09-11	45.4	6.550	1031	30	300	0	0	0	1031
12-14	50.9	4.832	1058	0	712	0	0	0	1058
15-17	52.2	4.821	1005	0	754	1	0	0	1005
18-20	51.9	4.874	661	0	479	0	0	0	661
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	49.1	6.581	4229	70	2315	1	0	0	4229

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.1	5.621	539	9	81	0	0	0	539
09-11	48.1	5.095	1114	1	481	0	0	0	1114
12-14	53.0	4.589	1145	0	885	0	0	0	1145
15-17	54.1	4.589	1028	0	839	1	0	0	1028
18-20	54.1	4.659	736	0	609	2	0	0	736
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	51.1	6.169	4562	10	2895	3	0	0	4562

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	47.2	4.962	687	0	227	0	0	0	687
09-11	52.1	4.512	1174	0	865	0	0	0	1174
12-14	55.1	4.329	1076	0	978	2	0	0	1076
15-17	56.0	4.278	1123	0	1046	10	0	0	1123
18-20	55.6	4.215	768	0	717	5	0	0	768
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	53.5	5.388	4828	0	3833	17	0	0	4828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	51.6	4.364	725	0	501	0	0	0	725
09-11	56.7	4.053	1175	0	1114	6	0	0	1175
12-14	59.2	4.225	1103	0	1086	53	0	0	1103
15-17	60.0	4.344	1104	0	1098	77	1	0	1104
18-20	59.8	4.186	768	0	763	52	0	0	768
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	57.7	5.061	4875	0	4562	188	1	0	4875

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	57.6	3.964	682	0	661	1	0	0	682
09-11	62.2	3.548	1082	0	1081	109	0	0	1082
12-14	64.8	4.065	1012	0	1012	390	11	0	1012
15-17	66.0	4.313	973	0	973	487	59	0	973
18-20	65.9	4.460	675	0	675	322	45	2	675
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	63.5	4.921	4424	0	4402	1309	115	2	4424

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AD SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	60.3	3.635	720	0	720	30	0	0	720
09-11	65.1	3.187	1159	0	1159	383	12	0	1159
12-14	67.9	3.576	1062	0	1062	670	121	2	1062
15-17	68.8	3.858	1071	0	1071	760	188	7	1071
18-20	68.6	3.945	760	0	760	506	132	4	760
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	66.4	4.723	4772	0	4772	2349	453	13	4772

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	60.3	4.009	763	0	756	33	0	0	763
09-11	65.1	3.627	1178	0	1178	452	13	0	1178
12-14	68.0	3.638	1120	0	1120	764	110	0	1120
15-17	68.9	3.778	1144	0	1144	869	185	1	1144
18-20	68.7	3.691	809	0	809	592	118	0	809
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	66.5	4.808	5014	0	5007	2710	426	1	5014

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

HOURL. LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DIG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	58.4	5.088	652	0	616	21	0	0	652
09-11	63.3	4.255	1061	0	1054	259	5	0	1061
12-14	66.6	3.533	985	0	985	569	27	0	985
15-17	67.4	3.859	1036	0	1036	670	77	0	1036
18-20	66.9	3.937	730	0	730	422	53	0	730
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	64.8	5.112	4464	0	4421	1941	162	0	4464

MONTH: OCT

HOURL. LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DIG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	52.5	6.163	584	0	406	2	0	0	584
09-11	57.0	5.490	1125	0	1009	19	0	0	1125
12-14	61.4	4.508	1122	0	1114	132	6	0	1122
15-17	62.5	4.471	1030	0	1030	178	21	0	1030
18-20	61.9	4.560	734	0	733	109	9	0	734
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	59.5	6.049	4595	0	4292	440	36	0	4595

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 0	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	47.0	7.391	535	17	197	2	0	0	535
09-11	49.5	6.916	1101	10	577	3	0	0	1101
12-14	55.0	5.092	1094	0	940	6	0	0	1094
15-17	56.4	4.773	1032	0	927	6	0	0	1032
18-20	55.8	4.939	620	0	544	2	0	0	620
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	53.1	6.780	4382	27	3185	19	0	0	4382

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 0	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.0	7.683	455	29	99	0	0	0	455
09-11	44.9	7.684	1080	57	311	0	0	0	1080
12-14	51.0	5.569	1115	1	675	0	0	0	1115
15-17	52.9	4.939	1009	0	774	0	0	0	1009
18-20	51.5	4.988	544	0	361	0	0	0	544
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	49.1	7.245	4203	87	2220	0	0	0	4203

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	51.3	9.049	7303	167	4401	89	0	0	7303
09-11	54.4	9.638	13425	191	9353	1231	30	0	13425
12-14	58.3	8.149	13016	7	11113	2586	275	2	13016
15-17	59.7	7.868	12618	2	11448	3059	531	8	12618
18-20	59.7	7.977	8409	1	7566	2012	357	6	8409
21-23	.0	.000	0	0	0	0	0	0	0
ALL HOURS	57.0	9.093	54771	368	43881	8977	1193	16	54771

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN.

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	38.3	8.294	487	38	270	483	0	487
09-11	39.9	8.258	1145	82	746	1134	0	1145
12-14	43.0	7.729	1124	42	941	1107	0	1124
15-17	43.5	7.716	1063	37	902	1035	0	1063
18-20	43.6	7.611	604	24	515	588	0	604
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	41.9	8.175	4423	223	3374	4347	0	4423

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	1058
03-05	.0	.000	0	0	0	0	0	1058
06-08	41.0	7.617	474	19	341	463	0	1058
09-11	42.8	7.797	1031	36	830	997	0	1058
12-14	45.1	7.449	1058	27	914	1008	0	1058
15-17	44.4	8.416	1005	52	837	957	0	1058
18-20	44.7	8.563	661	36	555	631	0	1058
21-23	.0	.000	0	0	0	0	0	1058
ALL HOURS	43.8	8.103	4229	170	3477	4056	0	4229

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE: DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	41.0	6.626	539	6	407	532	0	539
09-11	44.2	6.536	1114	11	981	1092	0	1114
12-14	44.9	7.134	1145	23	1000	1099	0	1145
15-17	43.7	7.440	1028	31	865	989	0	1028
18-20	44.3	7.764	736	26	633	706	0	736
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	43.9	7.245	4562	97	3886	4418	0	4562

MONTH: APR

00-02	.0	.000	0	0	0	0	0	1076
03-05	.0	.000	0	0	0	0	0	1076
06-08	45.2	5.818	687	3	638	674	0	1076
09-11	47.4	6.250	1174	10	1111	1108	0	1076
12-14	46.8	6.611	1076	7	995	1019	0	1076
15-17	46.0	6.965	1123	12	1018	1067	0	1076
18-20	46.1	6.767	768	8	700	723	0	1076
21-23	.0	.000	0	0	0	0	0	1076
ALL HOURS	46.4	6.602	4828	40	4462	4591	0	4828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	49.3	5.013	725	2	718	664	0	725
09-11	51.1	5.180	1175	2	1159	989	0	1175
12-14	50.0	5.901	1103	0	1082	929	0	1103
15-17	49.0	6.510	1104	1	1063	954	1	1104
18-20	49.7	6.197	768	1	750	634	1	768
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	49.9	5.912	4875	6	4772	4170	2	4875

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	1012
03-05	.0	.000	0	0	0	0	0	1012
06-08	54.5	4.676	682	0	681	396	1	1012
09-11	55.7	4.952	1032	0	1081	522	5	1012
12-14	54.9	5.874	1012	0	1008	534	7	1012
15-17	54.1	6.403	973	0	967	559	11	1012
18-20	54.8	6.437	675	1	672	370	20	1012
21-23	.0	.000	0	0	0	0	0	1012
ALL HOURS	54.8	5.789	4424	1	4409	2381	44	4424

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	56.1	5.170	720	0	719	349	17	720
09-11	57.5	5.260	1159	0	1157	451	61	1159
12-14	56.6	6.170	1062	0	1059	480	71	1062
15-17	54.6	7.121	1071	0	1066	621	71	1071
18-20	55.0	7.295	760	0	755	422	67	760
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	56.0	6.384	4772	0	4756	2323	287	4772

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	1120
03-05	.0	.000	0	0	0	0	0	1120
06-08	55.6	6.067	763	0	761	371	16	1120
09-11	57.4	6.299	1178	0	1172	419	83	1120
12-14	56.6	7.150	1120	0	1109	467	94	1120
15-17	55.0	7.805	1144	0	1126	543	87	1120
18-20	55.3	7.768	809	0	794	382	71	1120
21-23	.0	.000	0	0	0	0	0	1120
ALL HOURS	56.1	7.165	5014	0	4962	2182	351	5014

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	54.1	6.786	652	0	644	373	18	652
09-11	56.5	6.380	1061	0	1056	462	60	1061
12-14	56.1	6.470	985	0	982	445	63	985
15-17	54.4	7.151	1036	1	1021	588	59	1036
18-20	54.9	7.266	730	2	717	387	50	730
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	55.3	6.898	4464	3	4420	2255	250	4464

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	1122
03-05	.0	.000	0	0	0	0	0	1122
06-08	49.1	7.773	584	5	545	458	2	1122
09-11	52.1	7.147	1125	0	1090	749	9	1122
12-14	53.3	6.973	1122	0	1113	722	33	1122
15-17	52.3	7.932	1030	2	997	691	50	1122
18-20	52.6	7.925	734	0	709	470	35	1122
21-23	.0	.000	0	0	0	0	0	1122
ALL HOURS	52.1	7.627	4595	7	4454	3090	129	4595

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	45.0	8.451	535	18	458	486	3	535
09-11	46.3	8.124	1101	26	971	969	4	1101
12-14	48.6	7.479	1094	6	1013	929	4	1094
15-17	48.1	7.784	1032	10	935	879	5	1032
18-20	49.3	7.753	620	4	578	502	3	620
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	47.6	8.016	4382	64	3955	3765	19	4382

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	1115
03-05	.0	.000	0	0	0	0	0	1115
06-08	41.4	8.268	455	18	321	437	0	1115
09-11	42.5	8.665	1080	51	806	1024	0	1115
12-14	45.6	8.042	1115	28	1000	993	0	1115
15-17	45.9	8.220	1009	27	898	897	0	1115
18-20	46.2	7.925	544	12	491	491	0	1115
21-23	.0	.000	0	0	0	0	0	1115
ALL HOURS	44.5	8.480	4203	136	3516	3842	0	4203

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	48.5	9.030	7303	109	6503	5686	57	7303
09-11	49.5	9.201	13425	218	12160	9916	222	13425
12-14	50.0	8.541	13016	133	12216	9732	272	13016
15-17	49.3	8.705	12618	173	11695	9780	284	12618
18-20	50.0	8.706	8409	114	7869	6306	247	8409
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	49.5	8.849	54771	747	50443	41420	1082	54771

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.6	97.5	93.8	87.9	56.9	89.0	487
09-11	100.0	100.0	100.0	99.4	97.7	93.9	87.8	75.2	40.8	84.6	1145
12-14	100.0	99.8	98.3	94.6	86.4	69.5	48.0	24.4	7.5	67.7	1124
15-17	100.0	99.8	96.0	88.0	70.6	44.2	27.1	14.9	4.4	59.5	1063
18-20	100.0	99.8	97.4	89.7	80.3	57.1	37.4	20.5	6.0	63.8	604
21-23										.0	0
ALL HOURS	100.0	99.9	98.3	94.2	86.2	71.1	56.9	41.7	20.6	.0	4423

MONTH: FEB

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	98.1	95.1	89.5	63.3	90.4	474
09-11	100.0	100.0	100.0	99.5	97.8	93.0	86.0	73.1	37.7	83.9	1031
12-14	100.0	100.0	99.2	93.6	83.7	67.0	44.5	22.8	8.0	66.6	1058
15-17	100.0	99.4	94.7	85.9	67.6	41.9	26.0	14.1	5.4	58.3	1005
18-20	99.8	99.4	95.6	87.4	73.4	50.2	33.6	20.0	6.5	61.5	661
21-23										.0	0
ALL HOURS	100.0	99.8	97.9	93.0	83.5	68.2	54.2	40.0	20.6	.0	4229

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.6	99.3	97.6	93.7	82.9	45.8	87.1	539
09-11	100.0	100.0	99.3	98.4	94.3	84.0	70.6	47.6	16.5	76.1	1114
12-14	100.0	99.7	96.5	84.9	63.4	38.8	21.2	7.5	1.2	56.2	1145
15-17	100.0	99.5	88.7	64.2	40.8	21.8	11.3	5.4	1.1	47.9	1028
18-20	100.0	98.6	89.3	68.6	47.3	26.9	16.8	7.9	2.3	50.5	736
21-23										.0	0
ALL HOURS	100.0	99.6	94.7	82.6	67.5	51.0	38.9	25.8	10.4	.0	4562

MONTH: APR

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.9	99.3	98.3	97.2	93.9	82.7	47.2	87.1	687
09-11	100.0	99.8	98.6	96.1	90.5	78.2	59.6	35.2	9.8	71.6	1174
12-14	100.0	99.4	94.6	81.8	61.5	36.3	19.6	8.9	2.0	55.1	1076
15-17	100.0	98.7	87.4	67.1	42.0	23.9	14.3	7.9	1.9	49.1	1123
18-20	100.0	98.8	88.8	70.4	49.7	28.1	18.2	9.5	2.6	51.4	768
21-23										.0	0
ALL HOURS	100.0	99.3	93.7	82.5	67.4	51.0	38.5	25.7	10.4	.0	4828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.7	98.2	97.0	89.8	73.9	33.1	84.3	725
09-11	100.0	100.0	99.1	94.3	84.5	65.5	39.3	15.6	3.6	65.0	1175
12-14	100.0	99.7	92.3	74.6	46.3	22.3	8.5	4.1	1.2	49.4	1103
15-17	100.0	98.6	83.1	56.9	25.5	12.3	6.7	4.0	1.3	43.4	1104
18-20	100.0	98.7	85.7	63.2	39.3	18.0	9.2	4.7	1.4	46.6	768
21-23										.0	0
ALL HOURS	100.0	99.4	92.0	77.3	57.4	40.9	27.7	17.3	6.6	.0	4875

MONTH: JUN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.6	97.8	91.1	76.7	53.4	16.3	78.5	682
09-11	100.0	99.8	97.2	88.8	72.8	51.3	25.1	8.4	1.4	59.2	1082
12-14	100.0	97.5	87.5	62.2	32.8	11.9	3.6	1.3	.6	44.3	1012
15-17	100.0	95.2	72.6	40.1	14.9	5.4	2.0	1.3	.9	37.5	973
18-20	99.7	96.6	77.9	49.0	22.8	8.6	2.5	1.6	.7	40.2	675
21-23										.0	0
ALL HOURS	100.0	97.8	87.0	67.6	47.2	31.8	19.6	11.1	3.3	.0	4424

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.9	99.2	92.6	81.1	57.1	34.3	5.7	71.9	720
09-11	100.0	99.5	94.8	79.8	5.8	36.1	14.6	4.3	.9	53.4	1159
12-14	100.0	94.9	73.6	44.0	17.5	5.0	1.0	.2		38.1	1062
15-17	100.0	84.5	49.6	19.5	5.0	.7	.4			30.4	1071
18-20	100.0	86.8	53.0	25.9	8.3	2.0	.4			32.1	760
21-23										.0	0
ALL HOURS	100.0	93.2	74.1	52.6	34.6	22.6	12.5	6.3	1.1	.0	4772

MONTH: AUG

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.5	98.3	91.3	75.2	48.5	22.5	3.0	68.6	763
09-11	100.0	99.2	93.6	80.2	58.7	35.9	14.8	3.5	.4	53.2	1178
12-14	100.0	94.1	73.5	44.4	19.6	6.1	1.4	.5	.3	38.4	1120
15-17	99.5	85.4	54.4	23.3	6.9	2.1	.9	.4	.1	31.6	1144
18-20	99.4	86.2	57.6	28.9	9.6	2.3	.7	.4		33.1	809
21-23										.0	0
ALL HOURS	99.8	92.9	75.2	53.7	35.2	22.1	11.5	4.5	.6	.0	5014

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.5	98.5	93.7	78.8	55.8	32.8	6.3	71.4	652
09-11	100.0	99.7	97.3	86.2	68.6	46.9	23.6	8.2	1.1	57.8	1061
12-14	100.0	96.2	79.3	55.8	28.1	12.6	2.9	.8	.2	42.0	985
15-17	99.9	91.3	60.1	31.1	10.3	4.4	1.9	.7	.3	34.4	1036
18-20	100.0	93.7	66.4	39.7	18.5	7.4	2.7	1.5	.3	37.5	730
21-23										.0	0
ALL HOURS	100.0	96.1	80.0	60.9	41.6	27.7	15.3	7.3	1.3	.0	4464

MONTH: OCT

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.3	96.7	87.2	71.7	51.4	25.7	78.3	584
09-11	100.0	100.0	99.5	96.0	84.3	69.2	52.8	33.5	11.4	69.7	1125
12-14	100.0	99.5	93.7	75.4	54.9	37.5	19.1	8.2	2.0	53.7	1122
15-17	100.0	97.8	81.3	59.0	38.1	23.5	11.6	6.1	2.0	46.3	1030
18-20	100.0	98.2	84.2	64.2	47.0	30.7	18.1	9.4	3.1	50.0	734
21-23										.0	0
ALL HOURS	100.0	99.1	91.6	78.0	62.4	47.3	32.2	19.6	7.5	.0	4595

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.1	95.5	89.7	79.4	49.5	86.8	535
09-11	100.0	100.0	100.0	98.3	95.2	89.6	77.7	60.1	26.4	79.9	1101
12-14	100.0	100.0	98.5	91.2	78.4	56.7	33.9	15.4	3.6	62.7	1094
15-17	100.0	99.5	94.8	81.3	59.4	35.9	19.2	10.0	3.2	55.2	1032
18-20	100.0	100.0	97.6	90.0	76.3	53.9	36.1	21.3	5.8	62.8	620
21-23										.0	0
ALL HOURS	100.0	99.9	98.1	91.6	80.4	64.4	48.6	34.0	15.2	.0	4382

MONTH: DEC

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.8	99.6	98.9	96.0	89.2	57.6	89.5	455
09-11	100.0	99.9	99.9	99.4	98.6	96.1	89.4	75.1	37.7	84.8	1080
12-14	100.0	99.8	98.8	95.1	87.8	71.7	50.9	28.7	7.3	68.9	1115
15-17	100.0	99.8	97.1	89.9	73.6	49.4	32.2	16.6	5.2	61.3	1009
18-20	100.0	100.0	98.9	94.9	87.3	72.2	51.5	29.8	7.9	68.9	544
21-23										.0	0
ALL HOURS	100.0	99.9	98.8	95.4	88.4	75.6	61.3	44.4	20.1	.0	4203

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.9	99.4	96.8	90.4	78.2	62.0	31.2	80.9	7303
09-11	100.0	99.8	98.2	92.9	83.3	69.7	53.0	36.2	15.4	69.8	13425
12-14	100.	98.4	90.6	75.1	55.5	36.7	21.5	10.4	2.9	53.8	13016
15-17	99.9	95.7	79.7	58.5	37.5	21.9	12.6	6.7	2.1	46.1	12618
18-20	99.9	96.1	81.6	62.4	44.3	27.7	17.4	9.6	2.8	48.8	8409
21-23										.0	0
ALL HOURS	100.0	98.0	89.8	76.9	62.0	47.1	34.1	22.6	9.5	58.8	54771

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.21	30.10	30.10	29.99	30.01	30.04	30.02	30.01	30.05	30.10	30.09	30.21	30.06
	SD	.245	.207	.177	.151	.101	.076	.069	.067	.084	.110	.193	.225	.154
	TOT OBS	170	147	167	287	327	295	331	344	263	205	190	155	2881
1000	MEAN	30.23	30.14	30.13	30.02	30.02	30.05	30.03	30.02	30.08	30.10	30.15	30.22	30.16
	SD	.229	.214	.187	.153	.099	.078	.066	.067	.088	.133	.190	.218	.172
	TOT OBS	379	346	376	383	408	357	359	382	331	371	350	366	4408
1300	MEAN	30.23	30.14	30.12	30.00	30.01	30.03	30.02	30.00	30.06	30.09	30.15	30.22	30.09
	SD	.233	.215	.184	.150	.098	.073	.067	.065	.087	.130	.189	.222	.175
	TOT OBS	381	335	376	359	384	354	364	386	328	368	357	384	4376
1600	MEAN	30.17	30.10	30.07	29.97	29.97	29.99	29.97	29.96	30.01	30.04	30.09	30.16	30.04
	SD	.229	.210	.182	.146	.095	.072	.066	.065	.084	.131	.182	.221	.170
	TOT OBS	373	353	351	380	367	327	352	385	322	335	344	340	4229
1900	MEAN	30.21	30.10	30.06	29.96	29.96	29.97	29.96	29.94	30.00	30.04	30.08	30.20	30.03
	SD	.242	.214	.175	.139	.097	.072	.065	.065	.085	.123	.183	.210	.165
	TOT OBS	245	288	343	372	386	317	361	371	335	319	253	199	3789
2200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	30.21	30.12	30.10	29.99	30.00	30.02	30.00	29.99	30.04	30.07	30.12	30.20	30.06
	SD	.235	.214	.184	.149	.101	.080	.073	.072	.091	.131	.189	.221	.171
	TOT OBS	1548	1469	1613	1781	1872	1650	1767	1868	1579	1598	1494	1444	19683

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	29.88	29.78	29.76	29.67	29.69	29.72	29.70	29.69	29.73	29.79	29.79	29.89	29.74
	SD	.247	.204	.172	.141	.100	.076	.068	.067	.087	.113	.197	.231	.153
	TOT OBS	176	149	166	298	322	296	340	337	255	207	187	149	2882
1000	MEAN	29.91	29.82	29.81	29.70	29.70	29.73	29.71	29.70	29.76	29.78	29.83	29.90	29.78
	SD	.228	.212	.185	.151	.099	.078	.067	.068	.089	.132	.188	.215	.171
	TOT OBS	378	343	375	383	408	357	359	381	331	372	349	372	4408
1300	MEAN	29.91	29.82	29.80	29.68	29.69	29.71	29.70	29.68	29.74	29.77	29.83	29.93	29.77
	D	.231	.213	.182	.149	.098	.073	.068	.066	.087	.129	.187	.220	.174
	TOT OBS	381	335	376	359	384	354	364	386	328	368	357	384	4376
1600	MEAN	29.85	29.78	29.75	29.65	29.66	29.67	29.66	29.64	29.69	29.72	29.77	29.84	29.72
	SD	.228	.208	.180	.144	.093	.072	.066	.066	.084	.130	.180	.219	.168
	TOT OBS	373	353	351	381	366	327	352	385	322	335	344	340	4229
1900	MEAN	29.89	29.78	29.74	29.64	29.64	29.65	29.64	29.62	29.68	29.72	29.77	29.88	29.71
	SD	.240	.211	.173	.137	.096	.072	.065	.065	.085	.123	.181	.208	.164
	TOT OBS	245	288	343	372	386	317	361	371	335	319	253	199	3789
2200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	29.89	29.80	29.77	29.67	29.68	29.70	29.68	29.67	29.72	29.76	29.80	29.88	29.75
	SD	.234	.211	.182	.146	.100	.079	.073	.073	.092	.131	.188	.219	.170
	TOT OBS	1553	1468	1611	1793	1866	1651	1776	1860	1571	1601	1490	1444	19684

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	5.9	.6		494	7.3	.3		1152
CATEGORY B				0				0	5.9	1.0	.2	494	7.5	.5	.1	1152

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	12.0	.5		1124	15.6	1.0		1062	12.6	1.1		609				0
CATEGORY B	12.7	1.4	.3	1124	16.4	2.1		1062	13.3	1.6	.2	609				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	11.1	.7		4441	11.1	.7		4441
CATEGORY B	11.6	1.3	.1	4441	11.6	1.3	.1	4441

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970 STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	7.3	.2		480	9.8	1.0	.1	1039
CATEGORY B				0				0	7.9	.8		480	10.1	1.2	.4	1039

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	17.4	1.9	.3	1059	21.3	3.3	.2	101	17.6	2.4		664				0
CATEGORY B	18.1	3.7	.8	1059	22.1	4.4	.8	1010	17.9	3.0	.3	664				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	15.4	1.9	.1	4252	15.4	1.9	.1	4252
CATEGORY B	15.9	2.8	.5	4252	15.9	2.8	.5	4252

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	4.6	.4		540	7.4	.3		1115
CATEGORY B				0				0	4.6	.4		540	7.8	.4		1115

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	17.0	1.0		1149	25.8	2.5	.1	1031	24.0	2.0		745				C
CATEGORY B	18.1	1.9		1149	27.5	4.1	.5	1031	24.8	3.0	.1	745				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	16.3	1.2	.0	4580	16.3	1.2	.0	4580
CATEGORY B	17.2	2.0	.1	4580	17.2	2.0	.1	4580

OPERATING LOCATION "A"
USAFETAC, ASHEVIL NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	5.2			689	10.4	.3		1177
CATEGORY B				0				0	5.2			689	10.8	.6	.1	1177

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	21.4	1.7	.1	1085	30.3	1.5		1138	32.5	2.1		776				0
CATEGORY B	21.8	2.6	.3	1085	31.1	2.6	.1	1138	33.0	3.1	.4	776				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	20.3	1.1	.0	4865	20.3	1.1	.0	4865
CATEGORY B	20.7	1.8	.2	4865	20.7	1.8	.2	4865

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	3.4			733	7.7	.3		1186
CATEGORY B				0				0	3.4	.1		733	8.0	.7		1186

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	18.1	.6		1117	31.3	1.2	.1	1125	40.1	.6		773				0
CATEGORY B	19.0	1.8	.1	1117	33.0	2.8	.3	1125	42.2	1.4	.1	773				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	19.9	.6	.0	4934	19.9	.6	.0	4934
CATEGORY B	20.9	1.4	.1	4934	20.9	1.4	.1	4934

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	1.5			685	4.7			1102
CATEGORY B				0				0	1.5	.1		685	4.7			1102

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	18.3	.3		1015	36.3	.3		979	52.1	.7		678				0
CATEGORY B	19.4	.4		1015	38.0	2.3	.2	979	53.4	2.2	.1	678				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	21.4	.2		4459	21.4	.2		4459
CATEGORY B	22.3	1.0	.1	4459	22.3	1.0	.1	4459

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	.8			727	3.4			1171
CATEGORY B				0				0	1.1	.1		727	3.5	.2		1171

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	12.5	.1		1071	34.1	.7		1087	54.9	.7		762				0
CATEGORY B	13.4	.3		1071	36.8	1.8		1087	57.2	2.2		762				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	20.1	.3		4818	20.1	.3		4818
CATEGORY B	21.3	.9		4818	21.3	.9		4818

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	.8			776	3.2			1192
CATEGORY B				0				0	.8			776	3.4	.1		1192

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	10.5	.2		1125	33.9	.9		1161	52.7	.5		816				0
CATEGORY B	11.4	.4		1125	36.0	2.1		1161	53.8	1.5		816				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	19.4	.3		5070	19.4	.3		5070
CATEGORY B	20.3	.8		5070	20.3	.8		5070

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	1.7			653	3.9	.2		1073
CATEGORY B				0				0	1.7			653	4.1	.2		1073

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	10.9	.2		999	24.8	1.0		1052	39.0	.5		731				0
CATEGORY B	11.3	.9	.1	999	26.4	2.0		1052	40.5	1.5		731				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	15.7	.4		4508	15.7	.4		4508
CATEGORY B	16.5	1.0	.0	4508	16.5	1.0	.0	4508

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	2.2			589	5.6	.4		1123
CATEGORY B				0				0	2.2	.3		589	6.0	.7	.2	1123

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	13.4	.5		1128	18.9	1.5		1028	21.6	1.0		723				0
CATEGORY B	14.1	.8		1128	19.9	1.8	.2	1028	22.3	1.0		723				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	12.6	.7		4591	12.6	.7		4591
CATEGORY B	13.2	1.0	.1	4591	13.2	1.0	.1	4591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	7.5	.4		549	4.9	.3		1113
CATEGORY B				0				0	7.7	.5		549	5.2	.5		1113

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	13.1	1.0		1100	16.0	.8		1047	11.2	.3		626				0
CATEGORY B	13.8	1.2	.2	1100	17.3	1.7	.3	1047	12.3	.6		626				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	10.8	.6		4435	10.8	.6		4435
CATEGORY B	11.5	1.0	.1	4435	11.5	1.0	.1	4435

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN

PERIOD OF RECORD: NOV 74 - OCT 89

LST TO UTC: - 1

MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	9.5			462	7.7	.1		1076
CATEGORY B				0				0	9.7	.6		462	8.2	.2		1076

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	14.5	.5		1120	17.3	1.0		1011	11.2	.2		544				0
CATEGORY B	15.0	1.9	.2	1120	18.2	2.2	.1	1011	11.8	.7	.2	544				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	12.5	.4		4213	12.5	.4		4213
CATEGORY B	13.0	1.2	.1	4213	13.0	1.2	.1	4213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 024-204

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: NOV 74 - OCT 89
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A				0				0	3.8	.1		7377	6.3	.3	.0	13519
CATEGORY B				0				0	3.9	.3	.0	7377	6.6	.4	.1	13519

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	14.9	.7	.0	13092	25.6	1.3	.0	12731	32.1	1.0		8447				0
CATEGORY B	15.7	1.4	.2	13092	27.1	2.5	.2	12731	33.2	1.9	.1	8447				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE20	GE30	OBS	GE10	GE20	GE30	OBS
CATEGORY A	16.4	.7	.0	55166	16.4	.7	.0	55166
CATEGORY B	17.2	1.3	.1	55166	17.2	1.3	.1	55166

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 083970 STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: JAN 59 - DEC 69

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1959	304	329	253	135	54	1				50	196	370	1692
1960	415	266	217	78	31					66	177	482	1732
1961	458	181	116	75	14	2			1	45	217	278	1387
1962	325	328	276	102	32	6			2	5	336	442	1854
1963	369	430	325	178	40	14				2	141	311	1810
1964	400	340	286	219		6				95	292	528	2166
1965	511	449	274	139	8	4			10	15	256	427	2093
1966	339	289	314	133	23	4				101	422	498	2123
1967	527	351	226	211	58	2				42	253	603	2273
1968	569	373	363	210	73	4			2	5	231	459	2289
1969	395	406	316	221	88	4			8	31	277	555	2301
MEAN	419	340	269	154	38	4			2	41	254	450	
SD	87.21	76.92	66.92	56.05	27.59	3.74			3.53	34.82	78.03	99.91	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 083970

STATION NAME: MORON AB SPAIN
LST TO UTC: - 1

PERIOD OF RECORD: JAN 59 - DEC 69

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1959	2			1	49	294	485	477	278	107	2		1695
1960		6	4	25	178	370	471	426	327	9	1		1817
1961			18	12	227	309	527	578	358	92	2		2123
1962				9	109	275	419	566	423	174			1975
1963					48	224	448	429	255	158	16		1578
1964				23	195	284	454	479	447	62			1944
1965			4	11	162	350	334	463	166	44			1534
1966				1	155	273	404	444	323	41			1641
1967					46	179	421	425	211	101			1383
1968				2	70	248	453	407	252	124			1556
1969				8	31	166	461	448	130	71	1		1316
MEAN	0	0	2	8	115	270	443	467	288	89	2		
SD	.60	1.81	5.43	8.95	70.32	63.58	49.63	56.35	99.71	50.47	4.71		

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POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

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